



# BURNERS

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2015

|                |                                                                                           |           |
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|                                         |                                                                                                                 |           |
|-----------------------------------------|-----------------------------------------------------------------------------------------------------------------|-----------|
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| RANGE NAME BY FUEL TYPE |                                                     |
|-------------------------|-----------------------------------------------------|
| MAX GAS                 | Gas natural - LPG                                   |
| BLU                     | Gas natural - LPG                                   |
| MAX                     | Light oil                                           |
| MAIOR                   | Light oil                                           |
| MAXFLAM                 | Heavy oil (max visc. 50 °E at 50 °C)                |
| OILFLAM                 | Heavy oil (max visc. 50 °E at 50 °C)                |
| MULTICALOR              | Dual fuel: gas/light oil                            |
| MULTIFLAM               | Dual fuel: gas/heavy oil (max visc. 50 °E at 50 °C) |
| RANGE NAME + TS         | Duoblock burner                                     |

| MODEL SIZE (gas: kW; oil: kg/h) |                    |
|---------------------------------|--------------------|
| MAX 4                           | 4 kg/h             |
| MAIOR 120                       | 120 kg/h           |
| MAX GAS 40                      | 40 kW              |
| BLU 1200.1                      | 1200 kW            |
| MULTICALOR 300.1                | 300 kg/h - 3000 kW |

| OPERATION TYPE |                                                     |
|----------------|-----------------------------------------------------|
| -              | 1 stage                                             |
| R              | 1 stage with pre-heater                             |
| P              | 1 stage - soft start                                |
| PAB            | 2 stages gas - soft start                           |
| P 120 AB       | 2 stages light/heavy oil 120 kg/h - soft start      |
| P 120 AB HS    | 2 stages oil hydraulic system 120 kg/h - soft start |
| Z3 / S3        | 2 stages with 3 nozzles / 3 stages with 3 nozzles   |
| PR             | progressive mechanical                              |
| PR-PAB         | progressive mechanical gas / 2 stages oil           |
| PRE            | progressive electronic                              |
| MD             | modulating with PID                                 |

| FUEL |                             |
|------|-----------------------------|
| -    | Gas / Light oil / Heavy oil |
| LPG  | Liquid gas                  |
| BF   | Biofuel                     |
| K    | Kerosene                    |
| HV   | High viscosity heavy oil    |

| CONFIGURATION/ADDITIONAL INFO |                          |
|-------------------------------|--------------------------|
| S                             | Special version          |
| O                             | Special OEM version      |
| SW                            | Swirl system head        |
| S4                            | Four heads configuration |
| HT                            | High temperature         |
| CV                            | Continuous ventilation   |

BLU 1200.1 LN PAB TL 230-50 TW

| EMISSIONS    |                                            |
|--------------|--------------------------------------------|
| LN - Low NOx | Low NOx Class 3 - Gas EN676 (<80 mg/kWh)   |
| -            | Standard Class 2 - Gas EN676 (<120 mg/kWh) |
| MAX Low NOx  | Low NOx Class 3 yellow flame (<120 mg/kWh) |
| MAX          | Standard Class 2 - Oil EN267 (<185 mg/kWh) |
| MAIOR        | Standard Class 1 - Oil EN267 (<250 mg/kWh) |

| HEAD TYPE |            |
|-----------|------------|
| TC        | Short head |
| TL        | Long head  |

| ELECTRICAL POWER SUPPLY |                    |
|-------------------------|--------------------|
| -                       | 1 phase: 230V-50Hz |
|                         | 3 phase: 400V-50Hz |
| 60                      | 60 Hz              |

| ELECTRICAL EQUIPMENT (CONTROL BOX) |            |
|------------------------------------|------------|
| TW                                 | Thermowatt |

| VALVE MANUFACTURER | OPERATION TYPE   |
|--------------------|------------------|
| D                  | Dungs            |
| K                  | Kromschröder     |
| S                  | Siemens - Landis |
| H                  | Honeywell        |
| B                  | Brahma           |

|   |                                          |
|---|------------------------------------------|
| 1 | 1 stage or 2 stages with butterfly valve |
| 2 | 2 stages solenoid valve                  |
| 3 | 2 stages pneumatic                       |
| 4 | 2 stages electronic                      |
| 5 | 2 stages mechanical                      |

| GAS TRAIN MATCHING BURNER |                                               |
|---------------------------|-----------------------------------------------|
| MAXGAS40-120              | Model matching MAX GAS 40-120                 |
| BLU/MULTI                 | Model matching BLU-MULTICALOR-MULTIFLAM range |
| MAXGAS40-120SX            | Left side connection for MAX GAS 40-120       |

GT - S2 - VGD40 - DN80 - BLU/MULTI PS2

| MODEL TYPE |                                           |
|------------|-------------------------------------------|
| MBC120     | MultiBloc model MBC120                    |
| MBDLE403   | MultiBloc model MBDLE403                  |
| MBZRDLE410 | MultiBloc 2 stages valve model MBZRDLE410 |
| VGD20503   | Siemens Landis model VGD20503             |
| VCS240     | Kromschröder model VCS240                 |
| EG12L      | Brahma model EG12L                        |

| VALVE NOMINAL DIAMETER |                                |
|------------------------|--------------------------------|
| RP15                   | Rp. 1/2" Threaded connection   |
| RP20                   | Rp. 3/4" Threaded connection   |
| RP25                   | Rp. 1" Threaded connection     |
| RP32                   | Rp. 1 1/4" Threaded connection |
| RP40                   | Rp. 1 1/2" Threaded connection |
| RP50                   | Rp. 2" Threaded connection     |
| DN40                   | DN40 Flanged connection        |
| DN50                   | DN50 Flanged connection        |
| DN60                   | DN60 Flanged connection        |
| DN80                   | DN80 Flanged connection        |
| DN100                  | DN100 Flanged connection       |
| DN125                  | DN125 Flanged connection       |

| MIN. GAS PRESSURE SWITCH ARRANGEMENT |                                                              |
|--------------------------------------|--------------------------------------------------------------|
| PS1                                  | Single min.gas pressure switch before first valve            |
| PS2                                  | Single min.pressure switch between the two valves            |
| PS3                                  | Two min.gas pressure switches, before and between the valves |

## One stage Low NOx class 3 (NOx &lt; 80 mg/kWh) - Thermowatt control

| model            | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |             |      | gas governor and filter |
|------------------|-------------|-----|-------------|---------|-----------------|-----|-----------|-------------|------|-------------------------|
|                  | min         | max | head        | code    | min             | max | code      | type        | Ø    | kit adaptor             |
| MAX GAS 40 P TW  | 17          | 48  | TC          | 3142741 | 9               | 65  | 3141885   | MBC 65 DLE  | 1/2" | included                |
|                  |             |     |             |         | 9               | 200 | 3123944   | MB-DLE 403  |      |                         |
|                  |             |     | TL          | 3142742 | 9               | 65  | 3141885   | MBC 65 DLE  | 1/2" | included                |
|                  |             |     |             |         | 9               | 200 | 3123944   | MB-DLE 403  |      |                         |
| MAX GAS 70 P TW  | 34          | 70  | TC          | 3142743 | 10              | 360 | 3123560   | MB-DLE 405  | 3/4" | included                |
|                  |             |     |             |         | 11              |     | 3141886   | MBC 120 DLE |      |                         |
|                  |             |     |             |         | 16              | 65  | 3141885   | MBC 65 DLE  | 1/2" |                         |
|                  |             |     |             |         | 18              | 200 | 3123944   | MB-DLE 403  |      |                         |
|                  |             |     | TL          | 3142744 | 10              | 360 | 3123560   | MB-DLE 405  | 3/4" | included                |
|                  |             |     |             |         | 11              |     | 3141886   | MBC 120 DLE |      |                         |
|                  |             |     |             |         | 16              | 65  | 3141885   | MBC 65 DLE  | 1/2" |                         |
|                  |             |     |             |         | 18              | 200 | 3123944   | MB-DLE 403  |      |                         |
| MAX GAS 105 P TW | 49          | 108 | TC          | 3142745 | 16              | 360 | 3123560   | MB-DLE 405  | 3/4" | included                |
|                  |             |     |             |         | 18              |     | 3141886   | MBC 120 DLE |      |                         |
|                  |             |     |             |         | 34              | 65  | 3141885   | MBC 65 DLE  | 1/2" |                         |
|                  |             |     |             |         | 36              | 200 | 3123944   | MB-DLE 403  |      |                         |
|                  |             |     | TL          | 3142746 | 16              | 360 | 3123560   | MB-DLE 405  | 3/4" | included                |
|                  |             |     |             |         | 18              |     | 3141886   | MBC 120 DLE |      |                         |
|                  |             |     |             |         | 34              | 65  | 3141885   | MBC 65 DLE  | 1/2" |                         |
|                  |             |     |             |         | 36              | 200 | 3123944   | MB-DLE 403  |      |                         |
| MAX GAS 120 P TW | 49          | 120 | TC          | 3142747 | 16              | 360 | 3123560   | MB-DLE 405  | 3/4" | included                |
|                  |             |     |             |         | 18              |     | 3141886   | MBC 120 DLE |      |                         |
|                  |             |     |             |         | 34              | 65  | 3141885   | MBC 65 DLE  | 1/2" |                         |
|                  |             |     |             |         | 36              | 200 | 3123944   | MB-DLE 403  |      |                         |
|                  |             |     | TL          | 3142748 | 16              | 360 | 3123560   | MB-DLE 405  | 3/4" | included                |
|                  |             |     |             |         | 18              |     | 3141886   | MBC 120 DLE |      |                         |
|                  |             |     |             |         | 34              | 65  | 3141885   | MBC 65 DLE  | 1/2" |                         |
|                  |             |     |             |         | 36              | 200 | 3123944   | MB-DLE 403  |      |                         |
| MAX GAS 170 P TW | 55          | 175 | TC          | 3142749 | 13              | 360 | 3123947   | MB-DLE 410  | 1"   | included                |
|                  |             |     |             |         | 17              |     | 3123525   | MB-DLE 407  | 3/4" |                         |
|                  |             |     |             |         | 26              |     | 3123560   | MB-DLE 405  | 3/4" |                         |
|                  |             |     | TL          | 3142750 | 13              | 360 | 3123947   | MB-DLE 410  | 1"   | included                |
|                  |             |     |             |         | 17              |     | 3123525   | MB-DLE 407  | 3/4" |                         |
|                  |             |     |             |         | 26              |     | 3123560   | MB-DLE 405  | 3/4" |                         |

|                  |     |     |    |         |    |     |         |                    |       |          |
|------------------|-----|-----|----|---------|----|-----|---------|--------------------|-------|----------|
| MAX GAS 250 P TW | 55  | 240 | TC | 3142751 | 15 | 360 | 3141899 | MB-DLE 412         | 1"1/4 | included |
|                  |     |     |    |         | 17 |     | 3123947 | MB-DLE 410         | 1"    |          |
|                  |     |     |    |         | 26 |     | 3123525 | MB-DLE 407         | 3/4"  |          |
|                  |     |     |    |         | 40 |     | 3123560 | MB-DLE 405         | 3/4"  | 3122300  |
|                  |     |     | TL | 3142752 | 15 | 360 | 3141899 | MB-DLE 412         | 1"1/4 | included |
|                  |     |     |    |         | 17 |     | 3123947 | MB-DLE 410         | 1"    |          |
|                  |     |     |    |         | 26 |     | 3123525 | MB-DLE 407         | 3/4"  |          |
|                  |     |     |    |         | 40 |     | 3123560 | MB-DLE 405         | 3/4"  | 3122300  |
| MAX GAS 350 P TW | 100 | 350 | TC | 3143283 | 17 | 360 | 3142296 | MB-DLE 415 350/500 | 1"1/2 | included |
|                  |     |     |    |         | 20 |     | 3142295 | MB-DLE 412 350/500 | 1"1/4 |          |
|                  |     |     |    |         | 37 |     | 3142665 | MB-DLE 410 350/500 | 1"    |          |
|                  |     |     |    |         | 60 |     | 3142392 | MB-DLE 407 350/500 | 3/4"  |          |
|                  |     |     | TL | 3143284 | 17 | 360 | 3142296 | MB-DLE 415 350/500 | 1"1/2 | included |
|                  |     |     |    |         | 20 |     | 3142295 | MB-DLE 412 350/500 | 1"1/4 |          |
|                  |     |     |    |         | 37 |     | 3142665 | MB-DLE 410 350/500 | 1"    |          |
|                  |     |     |    |         | 60 |     | 3142392 | MB-DLE 407 350/500 | 3/4"  |          |
| MAX GAS 500 P TW | 120 | 500 | TC | 3143285 | 20 | 360 | 3142296 | MB-DLE 415 350/500 | 1"1/2 | included |
|                  |     |     |    |         | 35 |     | 3142295 | MB-DLE 412 350/500 | 1"1/4 |          |
|                  |     |     |    |         | 55 |     | 3142665 | MB-DLE 410 350/500 | 1"    |          |
|                  |     |     |    |         | 90 |     | 3142392 | MB-DLE 407 350/500 | 3/4"  |          |
|                  |     |     | TL | 3143286 | 20 | 360 | 3142296 | MB-DLE 415 350/500 | 1"1/2 | included |
|                  |     |     |    |         | 35 |     | 3142295 | MB-DLE 412 350/500 | 1"1/4 |          |
|                  |     |     |    |         | 55 |     | 3142665 | MB-DLE 410 350/500 | 1"    |          |
|                  |     |     |    |         | 90 |     | 3142392 | MB-DLE 407 350/500 | 3/4"  |          |

## GAS TRAIN - Export configuration

| designation                     | description                                        | type of burner | Ø      | code    |
|---------------------------------|----------------------------------------------------|----------------|--------|---------|
| GT-D1-GBLE055-RP15-MAXGAS40-120 | MultiBloc class B - EN676 up to 70kW               | 40-120         | 1/2"   | 3142027 |
| GT-H1-E6GSRP-RP15-MAXGAS40-120  | single solenoid valve with min gas pressure switch | 40-120         | 1/2"   | 3141888 |
| GT-H1-EG12L-RP15-MAXGAS40-120   | single solenoid valve with min gas pressure switch | 40-120         | 1/2"   | 3141887 |
| GT-K1-VAS125-RP25-MAXGAS170-250 | single solenoid valve with min gas pressure switch | 170-250        | 1"     | 3142815 |
| GT-K1-VAS240-RP40-MAXGAS170-250 | single solenoid valve with min gas pressure switch | 170-250        | 1" 1/2 | 3142816 |

**One stage Low NOx class 3 (NOx < 80 mg/kWh) - Thermowatt control - VCS gas train versions**

| model            | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                 |       | gas governor and filter |            |
|------------------|-------------|-----|-------------|---------|-----------------|-----|-----------|-----------------|-------|-------------------------|------------|
|                  | min         | max | head        | code    | min             | max | code      | type            | Ø     | code                    | type       |
| MAX GAS 170 P TW | 55          | 175 | TC          | 3142749 | 20              | 500 | 3141906   | VCS-125         | 1"    | 3142521                 | FGDR 1"    |
|                  |             |     | TL          | 3142750 | 20              | 500 | 3141906   | VCS-125         | 1"    | 3142521                 | FGDR 1"    |
| MAX GAS 250 P TW | 55          | 240 | TC          | 3142751 | 15              | 500 | 3142251   | VCS-240         | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                  |             |     |             |         | 34              |     | 3141906   | VCS-125         | 1"    | 3142521                 | FGDR 1"    |
|                  |             |     | TL          | 3142752 | 15              | 500 | 3142251   | VCS-240         | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                  |             |     |             |         | 34              |     | 3141906   | VCS-125         | 1"    | 3142521                 | FGDR 1"    |
| MAX GAS 350 P TW | 100         | 350 | TC          | 3143283 | 18              | 500 | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                  |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |
|                  |             |     | TL          | 3143284 | 18              | 500 | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                  |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |
| MAX GAS 500 P TW | 120         | 500 | TC          | 3143285 | 24              | 500 | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                  |             |     |             |         | 98              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |
|                  |             |     | TL          | 3143286 | 24              | 500 | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                  |             |     |             |         | 98              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |

**One stage Low NOx class 3 (NOx < 80 mg/kWh) - Thermowatt control - CONTINUOUS VENTILATION**

| model               | output [kW] |     | burner body |            |
|---------------------|-------------|-----|-------------|------------|
|                     | min         | max | head        | code       |
| MAX GAS 40 P CV TW  | 17          | 48  | TC          | on request |
|                     |             |     | TL          | on request |
| MAX GAS 70 P CV TW  | 34          | 70  | TC          | 3144065    |
|                     |             |     | TL          | on request |
| MAX GAS 105 P CV TW | 49          | 108 | TC          | on request |
|                     |             |     | TL          | on request |
| MAX GAS 120 P CV TW | 49          | 120 | TC          | 3144066    |
|                     |             |     | TL          | 3144067    |
| MAX GAS 170 P CV TW | 55          | 175 | TC          | on request |
|                     |             |     | TL          | on request |
| MAX GAS 250 P CV TW | 55          | 240 | TC          | on request |
|                     |             |     | TL          | on request |

## Two stages Low NOx class 3 (NOx &lt; 80 mg/kWh) - Thermowatt control with DISPLAY

| model              | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                    |       | gas governor and filter |
|--------------------|-------------|-----|-------------|---------|-----------------|-----|-----------|--------------------|-------|-------------------------|
|                    | min         | max | head        | code    | min             | max | code      | type               | Ø     | kit adaptor             |
| MAX GAS 170 PAB TW | 55          | 175 | TC          | 3142782 | 13              | 360 | 3123962   | MB-ZRDLE 410       | 1"    | included                |
|                    |             |     |             |         | 17              |     | 3123961   | MB-ZRDLE 407       | 3/4"  |                         |
|                    |             |     |             |         | 26              |     | 3123960   | MB-ZRDLE 405       | 3/4"  |                         |
|                    |             |     | TL          | 3142783 | 13              | 360 | 3123962   | MB-ZRDLE 410       | 1"    | included                |
|                    |             |     |             |         | 17              |     | 3123961   | MB-ZRDLE 407       | 3/4"  |                         |
|                    |             |     |             |         | 26              |     | 3123960   | MB-ZRDLE 405       | 3/4"  |                         |
| MAX GAS 250 PAB TW | 55          | 240 | TC          | 3142784 | 15              | 360 | 3141901   | MB-ZRDLE 412       | 1"1/4 | included                |
|                    |             |     |             |         | 17              |     | 3123962   | MB-ZRDLE 410       | 1"    |                         |
|                    |             |     |             |         | 26              |     | 3123961   | MB-ZRDLE 407       | 3/4"  |                         |
|                    |             |     |             |         | 40              |     | 3123960   | MB-ZRDLE 405       | 3/4"  |                         |
|                    |             |     | TL          | 3142785 | 15              | 360 | 3141901   | MB-ZRDLE 412       | 1"1/4 | included                |
|                    |             |     |             |         | 17              |     | 3123962   | MB-ZRDLE 410       | 1"    |                         |
|                    |             |     |             |         | 26              |     | 3123961   | MB-ZRDLE 407       | 3/4"  |                         |
|                    |             |     |             |         | 40              |     | 3123960   | MB-ZRDLE 405       | 3/4"  |                         |
| MAX GAS 350 PAB TW | 100         | 350 | TC          | 3143287 | 17              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                    |             |     |             |         | 20              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                    |             |     |             |         | 37              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                    |             |     |             |         | 60              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
|                    |             |     | TL          | 3143288 | 17              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                    |             |     |             |         | 20              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                    |             |     |             |         | 37              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                    |             |     |             |         | 60              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
| MAX GAS 500 PAB TW | 120         | 500 | TC          | 3143289 | 20              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                    |             |     |             |         | 35              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                    |             |     |             |         | 55              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                    |             |     |             |         | 90              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
|                    |             |     | TL          | 3143290 | 20              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                    |             |     |             |         | 35              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                    |             |     |             |         | 55              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                    |             |     |             |         | 90              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |

## Two stages Low NOx class 3 (NOx &lt; 80 mg/kWh) - Siemens control

| model           | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                    |       | gas governor and filter |
|-----------------|-------------|-----|-------------|---------|-----------------|-----|-----------|--------------------|-------|-------------------------|
|                 | min         | max | head        | code    | min             | max | code      | type               | Ø     | kit adaptor             |
| MAX GAS 120 PAB | 40          | 120 | TC          | 3123954 | 16              | 360 | 3123960   | MB-ZRDLE 405       | 3/4"  | included                |
|                 |             |     | TL          | 3123955 | 16              | 360 | 3123960   | MB-ZRDLE 405       | 3/4"  | included                |
| MAX GAS 170 PAB | 55          | 175 | TC          | 3123956 | 13              | 360 | 3123962   | MB-ZRDLE 410       | 1"    | included                |
|                 |             |     |             |         | 17              |     | 3123961   | MB-ZRDLE 407       | 3/4"  |                         |
|                 |             |     |             |         | 26              |     | 3123960   | MB-ZRDLE 405       | 3/4"  |                         |
|                 |             |     | TL          | 3123957 | 13              | 360 | 3123962   | MB-ZRDLE 410       | 1"    | included                |
|                 |             |     |             |         | 17              |     | 3123961   | MB-ZRDLE 407       | 3/4"  |                         |
|                 |             |     |             |         | 26              |     | 3123960   | MB-ZRDLE 405       | 3/4"  |                         |
| MAX GAS 250 PAB | 55          | 240 | TC          | 3123958 | 15              | 360 | 3141901   | MB-ZRDLE 412       | 1"1/4 | included                |
|                 |             |     |             |         | 17              |     | 3123962   | MB-ZRDLE 410       | 1"    |                         |
|                 |             |     |             |         | 26              |     | 3123961   | MB-ZRDLE 407       | 3/4"  |                         |
|                 |             |     |             |         | 40              |     | 3123960   | MB-ZRDLE 405       | 3/4"  |                         |
|                 |             |     | TL          | 3123959 | 15              | 360 | 3141901   | MB-ZRDLE 412       | 1"1/4 | included                |
|                 |             |     |             |         | 17              |     | 3123962   | MB-ZRDLE 410       | 1"    |                         |
|                 |             |     |             |         | 26              |     | 3123961   | MB-ZRDLE 407       | 3/4"  |                         |
|                 |             |     |             |         | 40              |     | 3123960   | MB-ZRDLE 405       | 3/4"  |                         |
| MAX GAS 350 PAB | 100         | 350 | TC          | 3142285 | 17              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                 |             |     |             |         | 20              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                 |             |     |             |         | 37              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                 |             |     |             |         | 60              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
|                 |             |     | TL          | 3142286 | 17              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                 |             |     |             |         | 20              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                 |             |     |             |         | 37              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                 |             |     |             |         | 60              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
| MAX GAS 500 PAB | 120         | 500 | TC          | 3142291 | 20              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                 |             |     |             |         | 35              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                 |             |     |             |         | 55              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                 |             |     |             |         | 90              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
|                 |             |     | TL          | 3142292 | 20              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                 |             |     |             |         | 35              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                 |             |     |             |         | 55              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                 |             |     |             |         | 90              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |



**Two stages Low NOx class 3 (NOx < 80 mg/kWh) - Thermowatt control with DISPLAY - VCS gas train versions**

| model              | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                 |       | gas governor and filter |            |
|--------------------|-------------|-----|-------------|---------|-----------------|-----|-----------|-----------------|-------|-------------------------|------------|
|                    | min         | max | head        | code    | min             | max | code      | type            | Ø     | code                    | type       |
| MAX GAS 350 PAB TW | 100         | 350 | TC          | 3143287 | 18              | 500 | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                    |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |
|                    |             |     | TL          | 3143288 | 18              | 500 | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                    |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |
| MAX GAS 500 PAB TW | 120         | 500 | TC          | 3143289 | 14              | 500 | 3142376   | VCS-350 350/500 | 2"    | 3142524                 | FGDR 2"    |
|                    |             |     |             |         | 18              |     | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                    |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |
|                    |             |     | TL          | 3143290 | 14              | 500 | 3142376   | VCS-350 350/500 | 2"    | 3142524                 | FGDR 2"    |
|                    |             |     |             |         | 18              |     | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                    |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |

**Two stages Low NOx class 3 (NOx < 80 mg/kWh) - Siemens control - VCS gas train versions**

| model           | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                 |       | gas governor and filter |            |
|-----------------|-------------|-----|-------------|---------|-----------------|-----|-----------|-----------------|-------|-------------------------|------------|
|                 | min         | max | head        | code    | min             | max | code      | type            | Ø     | code                    | type       |
| MAX GAS 350 PAB | 100         | 350 | TC          | 3142285 | 18              | 500 | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                 |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |
|                 |             |     | TL          | 3142286 | 18              | 500 | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                 |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |
| MAX GAS 500 PAB | 120         | 500 | TC          | 3142291 | 14              | 500 | 3142376   | VCS-350 350/500 | 2"    | 3142524                 | FGDR 2"    |
|                 |             |     |             |         | 18              |     | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                 |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |
|                 |             |     | TL          | 3142292 | 14              | 500 | 3142376   | VCS-350 350/500 | 2"    | 3142524                 | FGDR 2"    |
|                 |             |     |             |         | 18              |     | 3142375   | VCS-240 350/500 | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                 |             |     |             |         | 54              |     | 3142374   | VCS-125 350/500 | 1"    | 3142521                 | FGDR 1"    |

**Two stages progressive mechanical Low NOx class 3 (NOx < 80 mg/kWh) - Thermowatt control with DISPLAY**

| model             | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                    |       | gas governor and filter |
|-------------------|-------------|-----|-------------|---------|-----------------|-----|-----------|--------------------|-------|-------------------------|
|                   | min         | max | head        | code    | min             | max | code      | type               | Ø     |                         |
| MAX GAS 350 PR TW | 100         | 350 | TC          | 3140047 | 17              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                   |             |     |             |         | 20              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                   |             |     |             |         | 37              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                   |             |     |             |         | 60              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
|                   |             |     | TL          | 3140048 | 17              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                   |             |     |             |         | 20              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                   |             |     |             |         | 37              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                   |             |     |             |         | 60              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
| MAX GAS 500 PR TW | 120         | 500 | TC          | 3140049 | 20              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                   |             |     |             |         | 35              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                   |             |     |             |         | 55              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                   |             |     |             |         | 90              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
|                   |             |     | TL          | 3140050 | 20              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                   |             |     |             |         | 35              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                   |             |     |             |         | 55              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                   |             |     |             |         | 90              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |

**Two stages progressive mechanical Low NOx class 3 (NOx < 80 mg/kWh) - Siemens control**

| model          | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                    |       | gas governor and filter |
|----------------|-------------|-----|-------------|---------|-----------------|-----|-----------|--------------------|-------|-------------------------|
|                | min         | max | head        | code    | min             | max | code      | type               | Ø     |                         |
| MAX GAS 350 PR | 100         | 350 | TC          | 3142287 | 17              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                |             |     |             |         | 20              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                |             |     |             |         | 37              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                |             |     |             |         | 60              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
|                |             |     | TL          | 3142288 | 17              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                |             |     |             |         | 20              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                |             |     |             |         | 37              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                |             |     |             |         | 60              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
| MAX GAS 500 PR | 120         | 500 | TC          | 3142293 | 20              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                |             |     |             |         | 35              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                |             |     |             |         | 55              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                |             |     |             |         | 90              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |
|                |             |     | TL          | 3142294 | 20              | 360 | 3142296   | MB-DLE 415 350/500 | 1"1/2 | included                |
|                |             |     |             |         | 35              |     | 3142295   | MB-DLE 412 350/500 | 1"1/4 |                         |
|                |             |     |             |         | 55              |     | 3142665   | MB-DLE 410 350/500 | 1"    |                         |
|                |             |     |             |         | 90              |     | 3142392   | MB-DLE 407 350/500 | 3/4"  |                         |

**One stage Low NOx class 3 (NOx < 80 mg/kWh) - Thermowatt control - LPG versions**

| model            | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                    |      | LPG kit | adapt. kit |
|------------------|-------------|-----|-------------|---------|-----------------|-----|-----------|--------------------|------|---------|------------|
|                  | min         | max | head        | code    | min             | max | code      | type               | Ø    | code    | code       |
| MAX GAS 40 P TW  | 17          | 48  | TC          | 3142741 | 7               | 65  | 3141885   | MBC 65 DLE         | 1/2" | 3122301 | -          |
|                  |             |     | TL          | 3142742 |                 |     |           |                    |      |         |            |
| MAX GAS 70 P TW  | 34          | 70  | TC          | 3142743 | 15              | 65  | 3141885   | MBC 65 DLE         | 1/2" | 3122301 | -          |
|                  |             |     | TL          | 3142744 |                 |     |           |                    |      |         |            |
| MAX GAS 105 P TW | 49          | 108 | TC          | 3142745 | 24              | 65  | 3141885   | MBC 65 DLE         | 1/2" | 3122301 | -          |
|                  |             |     | TL          | 3142746 |                 |     |           |                    |      |         |            |
| MAX GAS 120 P TW | 49          | 120 | TC          | 3142747 | 24              | 65  | 3141885   | MBC 65 DLE         | 1/2" | 3122301 | -          |
|                  |             |     | TL          | 3142748 |                 |     |           |                    |      |         |            |
| MAX GAS 170 P TW | 55          | 170 | TC          | 3142749 | 23              | 360 | 3123560   | MB-DLE 405         | 3/4" | 3122302 | 3122300    |
|                  |             |     | TL          | 3142750 |                 |     |           |                    |      |         |            |
| MAX GAS 250 P TW | 55          | 240 | TC          | 3142751 | 34              | 360 | 3123560   | MB-DLE 405         | 3/4" | 3122302 | 3122300    |
|                  |             |     | TL          | 3142752 |                 |     |           |                    |      |         |            |
| MAX GAS 350 P TW | 100         | 350 | TC          | 3143283 | 33              | 360 | 3122392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                  |             |     | TL          | 3143284 |                 |     |           |                    |      |         |            |
| MAX GAS 500 P TW | 120         | 500 | TC          | 3143285 | 52              | 360 | 3122392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                  |             |     | TL          | 3143286 |                 |     |           |                    |      |         |            |

**Two stages Low NOx class 3 (NOx < 80 mg/kWh) - Thermowatt control - LPG versions**

| model              | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                    |      | LPG kit | adapt. kit |
|--------------------|-------------|-----|-------------|---------|-----------------|-----|-----------|--------------------|------|---------|------------|
|                    | min         | max | head        | code    | min             | max | code      | type               | Ø    | code    | code       |
| MAX GAS 170 PAB TW | 55          | 175 | TC          | 3142782 | 23              | 360 | 3123960   | MB-ZRDLE 405       | 3/4" | 3122302 | 3122300    |
|                    |             |     | TL          | 3142783 |                 |     |           |                    |      |         |            |
| MAX GAS 250 PAB TW | 55          | 240 | TC          | 3142784 | 34              | 360 | 3123960   | MB-ZRDLE 405       | 3/4" | 3122302 | 3122300    |
|                    |             |     | TL          | 3142785 |                 |     |           |                    |      |         |            |
| MAX GAS 350 PAB TW | 100         | 350 | TC          | 3143287 | 33              | 360 | 3142392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                    |             |     | TL          | 3143288 |                 |     |           |                    |      |         |            |
| MAX GAS 500 PAB TW | 120         | 500 | TC          | 3143289 | 52              | 360 | 3142392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                    |             |     | TL          | 3143290 |                 |     |           |                    |      |         |            |

**Two stages Low NOx class 3 (NOx < 80 mg/kWh) - Siemens control - LPG version**

| model           | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                    |      | LPG kit | adapt. kit |
|-----------------|-------------|-----|-------------|---------|-----------------|-----|-----------|--------------------|------|---------|------------|
|                 | min         | max | head        | code    | min             | max | code      | type               | Ø    | code    | code       |
| MAX GAS 120 PAB | 40          | 120 | TC          | 3123954 | 15              | 360 | 3123960   | MB-ZRDLE 405       | 3/4" | 3122301 | -          |
|                 |             |     | TL          | 3123955 |                 |     |           |                    |      |         |            |
| MAX GAS 170 PAB | 55          | 175 | TC          | 3123956 | 23              | 360 | 3123960   | MB-ZRDLE 405       | 3/4" | 3122302 | 3122300    |
|                 |             |     | TL          | 3123957 |                 |     |           |                    |      |         |            |
| MAX GAS 250 PAB | 55          | 240 | TC          | 3123958 | 34              | 360 | 3123960   | MB-ZRDLE 405       | 3/4" | 3122302 | 3122300    |
|                 |             |     | TL          | 3123959 |                 |     |           |                    |      |         |            |
| MAX GAS 350 PAB | 100         | 350 | TC          | 3142285 | 33              | 360 | 3142392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                 |             |     | TL          | 3142286 |                 |     |           |                    |      |         |            |
| MAX GAS 500 PAB | 120         | 500 | TC          | 3142291 | 52              | 360 | 3142392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                 |             |     | TL          | 3142292 |                 |     |           |                    |      |         |            |

**Two stages progressive mechanical Low NOx class 3 (NOx < 80 mg/kWh) - Thermowatt control - LPG version**

| model             | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                    |      | LPG kit | adapt. kit |
|-------------------|-------------|-----|-------------|---------|-----------------|-----|-----------|--------------------|------|---------|------------|
|                   | min         | max | head        | code    | min             | max | code      | type               | Ø    | code    | code       |
| MAX GAS 350 PR TW | 100         | 350 | TC          | 3140047 | 33              | 360 | 3142392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                   |             |     | TL          | 3140048 |                 |     |           |                    |      |         |            |
| MAX GAS 500 PR TW | 120         | 500 | TC          | 3140049 | 52              | 360 | 3142392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                   |             |     | TL          | 3140050 |                 |     |           |                    |      |         |            |

**Two stages progressive mechanical Low NOx class 3 (NOx < 80 mg/kWh) - Siemens control - LPG version**

| model          | output [kW] |     | burner body |         | pressure [mbar] |     | gas train |                    |      | LPG kit | adapt. kit |
|----------------|-------------|-----|-------------|---------|-----------------|-----|-----------|--------------------|------|---------|------------|
|                | min         | max | head        | code    | min             | max | code      | type               | Ø    | code    | code       |
| MAX GAS 350 PR | 100         | 350 | TC          | 3142287 | 33              | 360 | 3142392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                |             |     | TL          | 3142288 |                 |     |           |                    |      |         |            |
| MAX GAS 500 PR | 120         | 500 | TC          | 3142293 | 52              | 360 | 3142392   | MB-DLE 407 350/500 | 3/4" | 3142431 | -          |
|                |             |     | TL          | 3142294 |                 |     |           |                    |      |         |            |

## Two stages Low NOx class 3 (NOx &lt; 80 mg/kWh)

| model                  | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |             |       | gas governor and filter |              |
|------------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|-------------|-------|-------------------------|--------------|
|                        | min         | max  | head        | code    |          | code            | min             | max | code      | type        | Ø     | code                    | type         |
| BLU 700.1 PAB Low NOx  | 270         | 700  | TC          | 3124012 | OPT      | -               | 15              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                        |             |      |             |         |          |                 | 30              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                        |             |      |             |         |          |                 | 175             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"      |
|                        |             |      | TL          | 3124013 | OPT      | -               | 15              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                        |             |      |             |         |          |                 | 30              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                        |             |      |             |         |          |                 | 175             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"      |
| BLU 1000.1 PAB Low NOx | 280         | 875  | TC          | 3140303 | OPT      | -               | 30              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                        |             |      |             |         |          |                 | 60              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                        |             |      |             |         |          |                 | 170             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"      |
|                        |             |      | TL          | 3140304 | OPT      | -               | 30              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                        |             |      |             |         |          |                 | 60              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                        |             |      |             |         |          |                 | 170             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"      |
| BLU 1200.1 PAB Low NOx | 290         | 1100 | TC          | 3140309 | OPT      | -               | 20              | 500 | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"    |
|                        |             |      |             |         |          |                 | 30              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                        |             |      |             |         |          |                 | 65              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                        |             |      | TL          | 3140310 | OPT      | -               | 20              | 500 | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"    |
|                        |             |      |             |         |          |                 | 30              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                        |             |      |             |         |          |                 | 65              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
| BLU 1500.1 PAB Low NOx | 300         | 1550 | TC          | 3140312 | OPT      | 3141842         | 30              | 500 | 3124110   | VGDR 40.065 | 2"1/2 | 3124111                 | Filter 2"1/2 |
|                        |             |      |             |         |          | 3142076         | 40              |     | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"    |
|                        |             |      |             |         |          | -               | 60              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                        |             |      |             |         |          |                 | 130             |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                        |             |      | TL          | 3140313 | OPT      | 3141842         | 30              | 500 | 3124110   | VGDR 40.065 | 2"1/2 | 3124111                 | Filter 2"1/2 |
|                        |             |      |             |         |          | 3142076         | 40              |     | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"    |
|                        |             |      |             |         |          | -               | 60              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                        |             |      |             |         |          |                 | 130             |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |

## Two stages

| model          | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |       | gas governor and filter |             |
|----------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|-------|-------------------------|-------------|
|                | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø     | code                    | type        |
| BLU 1000.1 PAB | 245         | 970  | TC          | 3124014 | OPT      | -               | 25              | 500 | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 55              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      |             |         |          |                 | 165             |     | 3142024   | VCS 125    | 1"    | 3142523                 | FGDR 1"1/2  |
|                |             |      | TL          | 3124015 | OPT      | -               | 25              | 500 | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 55              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      |             |         |          |                 | 165             |     | 3142024   | VCS 125    | 1"    | 3142523                 | FGDR 1"1/2  |
| BLU 1200.1 PAB | 260         | 1200 | TC          | 3124016 | OPT      | -               | 25              | 500 | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 35              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 80              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      | TL          | 3124017 | OPT      | -               | 25              | 500 | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 35              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 80              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
| BLU 1700.1 PAB | 342         | 1770 | TC          | 3140326 | OPT      | 3142069         | 20              | 500 | 3142026   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|                |             |      |             |         |          | 3142074         | 45              |     | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 65              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 150             |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      | TL          | 3140327 | OPT      | 3142069         | 20              | 500 | 3142026   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|                |             |      |             |         |          | 3142074         | 45              |     | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 65              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 150             |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
| BLU 2000.1 PAB | 414         | 2150 | TC          | 3140330 | OPT      | 3142069         | 23              | 500 | 3142026   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|                |             |      |             |         |          | 3142197         | 35              |     | 3124110   | VDG 40.065 | 2"1/2 | 3124111                 | Filter DN65 |
|                |             |      |             |         |          | 3142074         | 60              |     | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 90              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 220             |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      | TL          | 3140331 | OPT      | 3142069         | 23              | 500 | 3142026   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|                |             |      |             |         |          | 3142197         | 35              |     | 3124110   | VDG 40.065 | 2"1/2 | 3124111                 | Filter DN65 |
|                |             |      |             |         |          | 3142074         | 60              |     | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 90              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 220             |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |

## Two stages progressive mechanical Low NOx class 3 (NOx &lt; 80 mg/kWh)

| model                    | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |             |       | gas governor and filter |              |
|--------------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|-------------|-------|-------------------------|--------------|
|                          | min         | max  | head        | code    |          | code            | min             | max | code      | type        | Ø     | code                    | type         |
| BLU 700.1 PR<br>Low NOx  | 270         | 700  | TC          | 3124030 | OPT      | -               | 15              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                          |             |      |             |         |          |                 | 30              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                          |             |      |             |         |          |                 | 175             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"      |
|                          |             |      | TL          | 3123886 | OPT      | -               | 15              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                          |             |      |             |         |          |                 | 30              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                          |             |      |             |         |          |                 | 175             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"      |
| BLU 1000.1 PR<br>Low NOx | 280         | 875  | TC          | 3142587 | OPT      | -               | 30              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                          |             |      |             |         |          |                 | 60              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                          |             |      |             |         |          |                 | 170             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"1/2   |
|                          |             |      | TL          | 3140391 | OPT      | -               | 30              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                          |             |      |             |         |          |                 | 60              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                          |             |      |             |         |          |                 | 170             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"1/2   |
| BLU 1200.1 PR<br>Low NOx | 290         | 1100 | TC          | 3140396 | OPT      | -               | 20              | 500 | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"    |
|                          |             |      |             |         |          |                 | 30              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                          |             |      |             |         |          |                 | 65              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                          |             |      | TL          | 3140397 | OPT      | -               | 20              | 500 | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"    |
|                          |             |      |             |         |          |                 | 30              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                          |             |      |             |         |          |                 | 65              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
| BLU 1500.1 PR<br>Low NOx | 300         | 1550 | TC          | 3124109 | OPT      | 3141842         | 30              | 500 | 3124110   | VGDR 40.065 | 2"1/2 | 3124111                 | Filter 2"1/2 |
|                          |             |      |             |         |          | 3142076         | 40              |     | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"    |
|                          |             |      |             |         |          | -               | 60              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                          |             |      |             |         |          |                 | 130             |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                          |             |      | TL          | 3140400 | OPT      | 3141842         | 30              | 500 | 3124110   | VGDR 40.065 | 2"1/2 | 3124111                 | Filter 2"1/2 |
|                          |             |      |             |         |          | 3142076         | 40              |     | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"    |
|                          |             |      |             |         |          | -               | 60              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"      |
|                          |             |      |             |         |          |                 | 130             |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2   |

## Two stages progressive electronic Low NOx class 3 (NOx &lt; 80 mg/kWh) - Lamtec control

| model                     | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |       | gas governor and filter |              |
|---------------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|-------|-------------------------|--------------|
|                           | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø     | code                    | type         |
| BLU 700.1 PRE<br>Low NOx  | 270         | 700  | TC          | 3143986 | OPT      | -               | 15              | 500 | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"      |
|                           |             |      |             |         |          |                 | 30              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                           |             |      |             |         |          |                 | 175             |     | 3144274   | VCS 125    | 1"    | 3142521                 | FGDR 1"      |
|                           |             |      | TL          | 3143987 | OPT      | -               | 15              | 500 | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"      |
|                           |             |      |             |         |          |                 | 30              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                           |             |      |             |         |          |                 | 175             |     | 3144274   | VCS 125    | 1"    | 3142521                 | FGDR 1"      |
| BLU 1000.1 PRE<br>Low NOx | 280         | 875  | TC          | 3143992 | OPT      | -               | 30              | 500 | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"      |
|                           |             |      |             |         |          |                 | 60              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                           |             |      |             |         |          |                 | 170             |     | 3144274   | VCS 125    | 1"    | 3142521                 | FGDR 1"1/2   |
|                           |             |      | TL          | 3143993 | OPT      | -               | 30              | 500 | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"      |
|                           |             |      |             |         |          |                 | 60              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                           |             |      |             |         |          |                 | 170             |     | 3144274   | VCS 125    | 1"    | 3142521                 | FGDR 1"1/2   |
| BLU 1200.1 PRE<br>Low NOx | 290         | 1100 | TC          | 3143998 | OPT      | -               | 20              | 500 | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"    |
|                           |             |      |             |         |          |                 | 30              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"      |
|                           |             |      |             |         |          |                 | 65              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                           |             |      | TL          | 3144000 | OPT      | -               | 20              | 500 | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"    |
|                           |             |      |             |         |          |                 | 30              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"      |
|                           |             |      |             |         |          |                 | 65              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2   |
| BLU 1500.1 PRE<br>Low NOx | 300         | 1550 | TC          | 3144005 | OPT      | 3141842         | 30              | 500 | 3144278   | VDG 40.065 | 2"1/2 | 3124111                 | Filter 2"1/2 |
|                           |             |      |             |         |          | 3142076         | 40              |     | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"    |
|                           |             |      |             |         |          | -               | 60              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"      |
|                           |             |      |             |         |          |                 | 130             |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2   |
|                           |             |      | TL          | 3144006 | OPT      | 3141842         | 30              | 500 | 3144278   | VDG 40.065 | 2"1/2 | 3124111                 | Filter 2"1/2 |
|                           |             |      |             |         |          | 3142076         | 40              |     | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"    |
|                           |             |      |             |         |          | -               | 60              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"      |
|                           |             |      |             |         |          |                 | 130             |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2   |



## Two stages progressive mechanical

| model         | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |       | gas governor and filter |             |
|---------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|-------|-------------------------|-------------|
|               | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø     | code                    | type        |
| BLU 1000.1 PR | 245         | 970  | TC          | 3124031 | OPT      | -               | 25              | 500 | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|               |             |      |             |         |          |                 | 55              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|               |             |      |             |         |          |                 | 165             |     | 3142024   | VCS 125    | 1"    | 3142523                 | FGDR 1"1/2  |
|               |             |      | TL          | 3124032 | OPT      | -               | 25              | 500 | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|               |             |      |             |         |          |                 | 55              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|               |             |      |             |         |          |                 | 165             |     | 3142024   | VCS 125    | 1"    | 3142523                 | FGDR 1"1/2  |
| BLU 1200.1 PR | 260         | 1200 | TC          | 3124033 | OPT      | -               | 25              | 500 | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|               |             |      |             |         |          |                 | 35              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|               |             |      |             |         |          |                 | 80              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|               |             |      | TL          | 3124034 | OPT      | -               | 25              | 500 | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|               |             |      |             |         |          |                 | 35              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|               |             |      |             |         |          |                 | 80              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
| BLU 1700.1 PR | 342         | 1770 | TC          | 3140401 | OPT      | 3142069         | 20              | 500 | 3142026   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|               |             |      |             |         |          | 3142074         | 45              |     | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|               |             |      |             |         |          |                 | 65              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|               |             |      |             |         |          |                 | 150             |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|               |             |      | TL          | 3140402 | OPT      | 3142069         | 20              | 500 | 3142026   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|               |             |      |             |         |          | 3142074         | 45              |     | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|               |             |      |             |         |          |                 | 65              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|               |             |      |             |         |          |                 | 150             |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
| BLU 2000.1 PR | 414         | 2150 | TC          | 3140403 | OPT      | 3142069         | 23              | 500 | 3142026   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|               |             |      |             |         |          | 3142197         | 35              |     | 3124110   | VDG 40.065 | DN65  | 3124111                 | Filter DN65 |
|               |             |      |             |         |          | 3142074         | 60              |     | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|               |             |      |             |         |          |                 | 90              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|               |             |      |             |         |          |                 | 220             |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|               |             |      | TL          | 3140404 | OPT      | 3142069         | 23              | 500 | 3142026   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|               |             |      |             |         |          | 3142197         | 35              |     | 3124110   | VDG 40.065 | DN65  | 3124111                 | Filter DN65 |
|               |             |      |             |         |          | 3142074         | 60              |     | 3123860   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|               |             |      |             |         |          |                 | 90              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|               |             |      |             |         |          |                 | 220             |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |

## Two stages progressive electronic - Lamtec control

| model          | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |       | gas governor and filter |             |
|----------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|-------|-------------------------|-------------|
|                | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø     | code                    | type        |
| BLU 1000.1 PRE | 245         | 970  | TC          | 3144049 | OPT      | -               | 25              | 500 | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 55              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      |             |         |          |                 | 165             |     | 3144274   | VCS 125    | 1"    | 3142523                 | FGDR 1"1/2  |
|                |             |      | TL          | 3144050 | OPT      | -               | 25              | 500 | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 55              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      |             |         |          |                 | 165             |     | 3144274   | VCS 125    | 1"    | 3142523                 | FGDR 1"1/2  |
| BLU 1200.1 PRE | 260         | 1200 | TC          | 3144051 | OPT      | -               | 25              | 500 | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 35              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 80              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      | TL          | 3144052 | OPT      | -               | 25              | 500 | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 35              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 80              |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
| BLU 1700.1 PRE | 342         | 1770 | TC          | 3144229 | OPT      | 3142069         | 20              | 500 | 3144279   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|                |             |      |             |         |          | 3142074         | 45              |     | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 65              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 150             |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      | TL          | 3144230 | OPT      | 3142069         | 20              | 500 | 3144279   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|                |             |      |             |         |          | 3142074         | 45              |     | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 65              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 150             |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
| BLU 2000.1 PRE | 414         | 2150 | TC          | 3144231 | OPT      | 3142069         | 23              | 500 | 3144279   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|                |             |      |             |         |          | 3142197         | 35              |     | 3144278   | VDG 40.065 | DN65  | 3124111                 | Filter DN65 |
|                |             |      |             |         |          | 3142074         | 60              |     | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 90              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 220             |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                |             |      | TL          | 3144232 | OPT      | 3142069         | 23              | 500 | 3144279   | VDG 40.080 | DN80  | 3142088                 | Filter DN80 |
|                |             |      |             |         |          | 3142197         | 35              |     | 3144278   | VDG 40.065 | DN65  | 3124111                 | Filter DN65 |
|                |             |      |             |         |          | 3142074         | 60              |     | 3144277   | VDG 20.503 | 2"    | 3121384                 | Filter 2"   |
|                |             |      |             |         |          |                 | 90              |     | 3144276   | VCS 350    | 2"    | 3142524                 | FGDR 2"     |
|                |             |      |             |         |          |                 | 220             |     | 3144275   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2  |

## Two stages - MultiBloc gas train

| model                     | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |        | gas governor and filter |
|---------------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|--------|-------------------------|
|                           | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø      |                         |
| BLU 700.1 PAB<br>Low NOx  | 270         | 700  | TC          | 3124012 | OPT      | -               | 17              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 25              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 75              |     | 3142022   | MB-DLE 410 | 1"     |                         |
|                           |             |      | TL          | 3124013 | OPT      | -               | 17              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 25              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 75              |     | 3142022   | MB-DLE 410 | 1"     |                         |
| BLU 1000.1 PAB<br>Low NOx | 280         | 875  | TC          | 3140303 | OPT      | -               | 35              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 40              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 75              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
|                           |             |      | TL          | 3140304 | OPT      | -               | 35              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 40              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 75              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
| BLU 1200.1 PAB<br>Low NOx | 290         | 1100 | TC          | 3140309 | OPT      | -               | 35              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 45              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 85              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
|                           |             |      | TL          | 3140310 | OPT      | -               | 35              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 45              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 85              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
| BLU 1500.1 PAB<br>Low NOx | 300         | 1550 | TC          | 3140312 | OPT      | 3142076         | 60              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 70              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      | TL          | 3140313 | OPT      | 3142076         | 60              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 70              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
| BLU 1000.1 PAB            | 245         | 970  | TC          | 3124014 | OPT      | -               | 27              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 35              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 75              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
|                           |             |      | TL          | 3124015 | OPT      | -               | 27              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 35              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 75              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
| BLU 1200.1 PAB            | 260         | 1200 | TC          | 3124016 | OPT      | -               | 40              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 50              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 100             |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
|                           |             |      | TL          | 3124017 | OPT      | -               | 40              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                           |             |      |             |         |          |                 | 50              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                           |             |      |             |         |          |                 | 100             |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |

|                |     |      |    |         |     |         |     |     |         |            |        |          |
|----------------|-----|------|----|---------|-----|---------|-----|-----|---------|------------|--------|----------|
| BLU 1700.1 PAB | 342 | 1770 | TC | 3140326 | OPT | 3142074 | 60  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                |     |      |    |         |     |         | 85  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                |     |      | TL | 3140327 | OPT | 3142074 | 60  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                |     |      |    |         |     |         | 85  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
| BLU 2000.1 PAB | 414 | 2150 | TC | 3140330 | OPT | 3142074 | 75  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                |     |      |    |         |     |         | 100 |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                |     |      | TL | 3140331 | OPT | 3142074 | 75  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                |     |      |    |         |     |         | 100 |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |

### Two stages progressive mechanical - MultiBloc gas train

| model                 | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |        | gas governor and filter |
|-----------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|--------|-------------------------|
|                       | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø      |                         |
| BLU 700.1 PR Low NOx  | 270         | 700  | TC          | 3124030 | OPT      | -               | 17              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                       |             |      |             |         |          |                 | 25              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                       |             |      |             |         |          |                 | 75              |     | 3142022   | MB-DLE 410 | 1"     |                         |
|                       |             |      | TL          | 3123886 | OPT      | -               | 17              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                       |             |      |             |         |          |                 | 25              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                       |             |      |             |         |          |                 | 75              |     | 3142022   | MB-DLE 410 | 1"     |                         |
| BLU 1000.1 PR Low NOx | 280         | 875  | TC          | 3142587 | OPT      | -               | 35              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                       |             |      |             |         |          |                 | 40              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                       |             |      |             |         |          |                 | 75              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
|                       |             |      | TL          | 3140391 | OPT      | -               | 35              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                       |             |      |             |         |          |                 | 40              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                       |             |      |             |         |          |                 | 75              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
| BLU 1200.1 PR Low NOx | 290         | 1100 | TC          | 3140396 | OPT      | -               | 35              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                       |             |      |             |         |          |                 | 45              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                       |             |      |             |         |          |                 | 85              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
|                       |             |      | TL          | 3140397 | OPT      | -               | 35              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                       |             |      |             |         |          |                 | 45              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                       |             |      |             |         |          |                 | 85              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
| BLU 1500.1 PR Low NOx | 300         | 1550 | TC          | 3124109 | OPT      | 3142076         | 60              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                       |             |      |             |         |          |                 | 70              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                       |             |      | TL          | 3140400 | OPT      | 3142076         | 60              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                       |             |      |             |         |          |                 | 70              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |

## Two stages progressive electronic - Lamtec control - MultiBloc gas train

| model                  | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |        | gas governor and filter |
|------------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|--------|-------------------------|
|                        | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø      |                         |
| BLU 700.1 PRE Low NOx  | 270         | 700  | TC          | 3143986 | OPT      | -               | 17              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 25              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 75              |     | 3144270   | MB-DLE 410 | 1"     |                         |
|                        |             |      | TL          | 3143987 | OPT      | -               | 17              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 25              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 75              |     | 3144270   | MB-DLE 410 | 1"     |                         |
| BLU 1000.1 PRE Low NOx | 280         | 875  | TC          | 3143992 | OPT      | -               | 35              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 40              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 75              |     | 3144271   | MB-DLE 412 | 1" 1/4 |                         |
|                        |             |      | TL          | 3143993 | OPT      | -               | 35              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 40              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 75              |     | 3144271   | MB-DLE 412 | 1" 1/4 |                         |
| BLU 1200.1 PRE Low NOx | 290         | 1100 | TC          | 3143998 | OPT      | -               | 35              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 45              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 85              |     | 3144271   | MB-DLE 412 | 1" 1/4 |                         |
|                        |             |      | TL          | 3144000 | OPT      | -               | 35              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 45              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 85              |     | 3144271   | MB-DLE 412 | 1" 1/4 |                         |
| BLU 1500.1 PRE Low NOx | 300         | 1550 | TC          | 3144005 | OPT      | 3142076         | 60              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 70              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      | TL          | 3144006 | OPT      | 3142076         | 60              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 70              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
| BLU 1000.1 PRE         | 245         | 970  | TC          | 3144049 | OPT      | -               | 27              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 35              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 75              |     | 3144271   | MB-DLE 412 | 1" 1/4 |                         |
|                        |             |      | TL          | 3144050 | OPT      | -               | 27              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 35              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 75              |     | 3144271   | MB-DLE 412 | 1" 1/4 |                         |
| BLU 1200.1 PRE         | 260         | 1200 | TC          | 3144051 | OPT      | -               | 40              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 50              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 100             |     | 3144271   | MB-DLE 412 | 1" 1/4 |                         |
|                        |             |      | TL          | 3144052 | OPT      | -               | 40              | 360 | 3144273   | MB-DLE 420 | 2"     | included                |
|                        |             |      |             |         |          |                 | 50              |     | 3144272   | MB-DLE 415 | 1" 1/2 |                         |
|                        |             |      |             |         |          |                 | 100             |     | 3144271   | MB-DLE 412 | 1" 1/4 |                         |

|                |     |      |    |         |     |         |     |     |         |            |        |          |
|----------------|-----|------|----|---------|-----|---------|-----|-----|---------|------------|--------|----------|
| BLU 1700.1 PRE | 342 | 1770 | TC | 3144229 | OPT | 3142074 | 60  | 360 | 3144273 | MB-DLE 420 | 2"     | included |
|                |     |      |    |         |     |         | 85  |     | 3144272 | MB-DLE 415 | 1" 1/2 |          |
|                |     |      | TL | 3144230 | OPT | 3142074 | 60  | 360 | 3144273 | MB-DLE 420 | 2"     | included |
|                |     |      |    |         |     |         | 85  |     | 3144272 | MB-DLE 415 | 1" 1/2 |          |
| BLU 2000.1 PRE | 414 | 2150 | TC | 3144231 | OPT | 3142074 | 75  | 360 | 3144273 | MB-DLE 420 | 2"     | included |
|                |     |      |    |         |     |         | 100 |     | 3144272 | MB-DLE 415 | 1" 1/2 |          |
|                |     |      | TL | 3144232 | OPT | 3142074 | 75  | 360 | 3144273 | MB-DLE 420 | 2"     | included |
|                |     |      |    |         |     |         | 100 |     | 3144272 | MB-DLE 415 | 1" 1/2 |          |

### Two stages progressive mechanical

| model         | output [kW] |      | burner body |         | silencer | connection pipe     | pressure [mbar] |     | gas train (\$) |            |       | gas governor and filter |              |
|---------------|-------------|------|-------------|---------|----------|---------------------|-----------------|-----|----------------|------------|-------|-------------------------|--------------|
|               | min         | max  | head        | code    |          | code                | min             | max | code           | type       | Ø     | code                    | type         |
| BLU 3000.1 PR | 630         | 3000 | TC          | 3141753 | OPT      | 3142069+<br>3142073 | 22              | 500 | 3141869        | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|               |             |      |             |         |          | 3142069             | 35              |     | 3142026        | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|               |             |      |             |         |          | 3142197             | 55              |     | 3124110        | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|               |             |      |             |         |          | 3142075             | 100             |     | 3123860        | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|               |             |      | TL          | 3141754 | OPT      | 3142069+<br>3142073 | 22              | 500 | 3141869        | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|               |             |      |             |         |          | 3142069             | 35              |     | 3142026        | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|               |             |      |             |         |          | 3142197             | 55              |     | 3124110        | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|               |             |      |             |         |          | 3142075             | 100             |     | 3123860        | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
| BLU 4000.1 PR | 875         | 3900 | TC          | 3141756 | OPT      | 3142069+<br>3142073 | 30              | 500 | 3141869        | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|               |             |      |             |         |          | 3142069             | 50              |     | 3142026        | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|               |             |      |             |         |          | 3142197             | 90              |     | 3124110        | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|               |             |      |             |         |          | 3142075             | 170             |     | 3123860        | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|               |             |      | TL          | 3141757 | OPT      | 3142069+<br>3142073 | 30              | 500 | 3141869        | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|               |             |      |             |         |          | 3142069             | 50              |     | 3142026        | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|               |             |      |             |         |          | 3142197             | 90              |     | 3124110        | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|               |             |      |             |         |          | 3142075             | 170             |     | 3123860        | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from BLU 3000.1 change spring and damping (see pag. 49)

|                |      |       |    |         |     |                     |     |     |         |            |       |         |              |
|----------------|------|-------|----|---------|-----|---------------------|-----|-----|---------|------------|-------|---------|--------------|
| BLU 5000.1 PR  | 1200 | 5000  | TC | 3141758 | OPT | 3142198             | 35  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142070+<br>3142073 | 45  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                |      |       |    |         |     | 3142070             | 75  |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                |      |       |    |         |     | 3142071             | 140 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                |      |       |    |         |     | 3142075             | 250 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
|                |      |       | TL | 3141759 | OPT | 3142198             | 35  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142070+<br>3142073 | 45  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                |      |       |    |         |     | 3142070             | 75  |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                |      |       |    |         |     | 3142071             | 140 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                |      |       |    |         |     | 3142075             | 250 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
| BLU 6000.1 PR  | 1500 | 5800  | TC | 3141761 | OPT | 3142198             | 50  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142070+<br>3142073 | 60  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                |      |       |    |         |     | 3142070             | 100 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                |      |       |    |         |     | 3142071             | 180 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                |      |       |    |         |     | 3142075             | 340 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
|                |      |       | TL | 3141762 | OPT | 3142198             | 50  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142070+<br>3142073 | 60  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                |      |       |    |         |     | 3142070             | 100 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                |      |       |    |         |     | 3142071             | 180 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                |      |       |    |         |     | 3142075             | 340 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
| BLU 7000.1 PR  | 1500 | 7500  | TC | 3143747 | OPT | 3142422+<br>3142425 | 60  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142422             | 75  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                |      |       |    |         |     | 3142424             | 140 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                |      |       |    |         |     | 3142423             | 280 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
| BLU 8000.1 PR  | 2000 | 8500  | TC | 3143748 | OPT | 3142422+<br>3142425 | 85  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142422             | 110 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                |      |       |    |         |     | 3142424             | 210 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                |      |       |    |         |     | 3142423             | 410 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
| BLU 10000.1 PR | 2500 | 10500 | TC | 3143749 | OPT | 3142422+<br>3142425 | 115 | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142422             | 165 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                |      |       |    |         |     | 3142424             | 290 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                |      |       |    |         |     | 3142423             | 550 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from BLU 3000.1 change spring and damping (see pag. 49)

|                |      |       |    |         |     |                     |     |     |         |            |       |         |              |
|----------------|------|-------|----|---------|-----|---------------------|-----|-----|---------|------------|-------|---------|--------------|
| BLU 12000.1 PR | 2700 | 13000 | TC | 3143750 | OPT | 3142422+<br>3142425 | 175 | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142422             | 230 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                |      |       |    |         |     | 3142424             | 420 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
| BLU 15000.1 PR | 3690 | 15000 | TC | 3143751 | OPT | 3142422+<br>3142425 | 150 | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142422             | 230 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                |      |       |    |         |     | 3142424             | 450 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
| BLU 18000.1 PR | 4000 | 17000 | TC | 3143752 | OPT | 3142422+<br>3142425 | 210 | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                |      |       |    |         |     | 3142422             | 330 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |

### Two stages progressive electronic - Lamtec control

| model          | output [kW] |      | burner body |         | silencer | connection pipe     | pressure [mbar] |     | gas train (§) |            |       | gas governor and filter |              |
|----------------|-------------|------|-------------|---------|----------|---------------------|-----------------|-----|---------------|------------|-------|-------------------------|--------------|
|                | min         | max  | head        | code    |          | code                | min             | max | code          | type       | Ø     | code                    | type         |
| BLU 3000.1 PRE | 630         | 3000 | TC          | 3144233 | OPT      | 3142069+<br>3142073 | 22              | 500 | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                |             |      |             |         |          | 3142069             | 35              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                |             |      |             |         |          | 3142197             | 55              |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                |             |      |             |         |          | 3142075             | 100             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|                |             |      | TL          | 3144234 | OPT      | 3142069+<br>3142073 | 22              | 500 | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                |             |      |             |         |          | 3142069             | 35              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                |             |      |             |         |          | 3142197             | 55              |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                |             |      |             |         |          | 3142075             | 100             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
| BLU 4000.1 PRE | 875         | 3900 | TC          | 3144235 | OPT      | 3142069+<br>3142073 | 30              | 500 | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                |             |      |             |         |          | 3142069             | 50              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                |             |      |             |         |          | 3142197             | 90              |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                |             |      |             |         |          | 3142075             | 170             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|                |             |      | TL          | 3144236 | OPT      | 3142069+<br>3142073 | 30              | 500 | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                |             |      |             |         |          | 3142069             | 50              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                |             |      |             |         |          | 3142197             | 90              |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                |             |      |             |         |          | 3142075             | 170             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from BLU 3000.1 change spring and damping (see pag. 49)



|                 |      |       |    |            |     |                     |     |     |         |            |       |         |              |
|-----------------|------|-------|----|------------|-----|---------------------|-----|-----|---------|------------|-------|---------|--------------|
| BLU 5000.1 PRE  | 1200 | 5000  | TC | 3144237    | OPT | 3142198             | 35  | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142070+<br>3142073 | 45  |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                 |      |       |    |            |     | 3142070             | 75  |     | 3144279 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                 |      |       |    |            |     | 3142071             | 140 |     | 3144278 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                 |      |       |    |            |     | 3142075             | 250 |     | 3144277 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
|                 |      |       | TL | 3144238    | OPT | 3142198             | 35  | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142070+<br>3142073 | 45  |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                 |      |       |    |            |     | 3142070             | 75  |     | 3144279 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                 |      |       |    |            |     | 3142071             | 140 |     | 3144278 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                 |      |       |    |            |     | 3142075             | 250 |     | 3144277 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
| BLU 6000.1 PRE  | 1500 | 5800  | TC | 3144239    | OPT | 3142198             | 50  | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142070+<br>3142073 | 60  |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                 |      |       |    |            |     | 3142070             | 100 |     | 3144279 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                 |      |       |    |            |     | 3142071             | 180 |     | 3144278 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                 |      |       |    |            |     | 3142075             | 340 |     | 3144277 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
|                 |      |       | TL | 3144240    | OPT | 3142198             | 50  | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142070+<br>3142073 | 60  |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                 |      |       |    |            |     | 3142070             | 100 |     | 3144279 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                 |      |       |    |            |     | 3142071             | 180 |     | 3144278 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                 |      |       |    |            |     | 3142075             | 340 |     | 3144277 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
| BLU 7000.1 PRE  | 1500 | 7500  | TC | on request | OPT | 3142422+<br>3142425 | 60  | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142422             | 75  |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                 |      |       |    |            |     | 3142424             | 140 |     | 3144279 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                 |      |       |    |            |     | 3142423             | 280 |     | 3144278 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
| BLU 8000.1 PRE  | 2000 | 8500  | TC | on request | OPT | 3142422+<br>3142425 | 85  | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142422             | 110 |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                 |      |       |    |            |     | 3142424             | 210 |     | 3144279 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                 |      |       |    |            |     | 3142423             | 410 |     | 3144278 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
| BLU 10000.1 PRE | 2500 | 10500 | TC | on request | OPT | 3142422+<br>3142425 | 115 | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142422             | 165 |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                 |      |       |    |            |     | 3142424             | 290 |     | 3144279 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                 |      |       |    |            |     | 3142423             | 550 |     | 3144278 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from BLU 3000.1 change spring and damping (see pag. 49)

|                 |      |       |    |            |     |                     |     |     |         |            |       |         |              |
|-----------------|------|-------|----|------------|-----|---------------------|-----|-----|---------|------------|-------|---------|--------------|
| BLU 12000.1 PRE | 2700 | 13000 | TC | on request | OPT | 3142422+<br>3142425 | 175 | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142422             | 230 |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                 |      |       |    |            |     | 3142424             | 420 |     | 3144279 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
| BLU 15000.1 PRE | 3690 | 15000 | TC | on request | OPT | 3142422+<br>3142425 | 150 | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142422             | 230 |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                 |      |       |    |            |     | 3142424             | 450 |     | 3144279 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
| BLU 18000.1 PRE | 4000 | 17000 | TC | on request | OPT | 3142422+<br>3142425 | 210 | 500 | 3144282 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                 |      |       |    |            |     | 3142422             | 330 |     | 3144280 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from BLU 3000.1 change spring and damping (see pag. 49)

**One stage Low NOx class 3 (NOx < 120 mg/kWh) - Thermowatt control - B10**

| model            | output [kW] |      | flow rate [kg/h] |     | head | code    |
|------------------|-------------|------|------------------|-----|------|---------|
|                  | min         | max  | min              | max |      |         |
| MAX 1 Low NOx TW | 17,6        | 35,5 | 1,5              | 3   | TC   | 3142713 |
| MAX 4 Low NOx TW | 22,5        | 47,4 | 1,9              | 4   | TC   | 3142722 |

**One stage class 2 (NOx < 185 mg/kWh) - Thermowatt control - B10**

| model     | output [kW] |      | flow rate [kg/h] |     | head | code    |
|-----------|-------------|------|------------------|-----|------|---------|
|           | min         | max  | min              | max |      |         |
| MAX 1 TW  | 17,6        | 41,4 | 1,5              | 3,5 | TC   | 3142709 |
|           |             |      |                  |     | TL   | 3142710 |
| MAX 4 TW  | 20          | 59   | 1,7              | 5   | TC   | 3142714 |
|           |             |      |                  |     | TL   | 3142715 |
| MAX 8 TW  | 47          | 105  | 4                | 8,9 | TC   | 3142716 |
|           |             |      |                  |     | TL   | 3142717 |
| MAX 12 TW | 60          | 130  | 5,1              | 11  | TC   | 3142718 |
|           |             |      |                  |     | TL   | 3142719 |
| MAX 15 TW | 73,4        | 190  | 6,2              | 16  | TC   | 3142729 |
|           |             |      |                  |     | TL   | 3142730 |
| MAX 20 TW | 86,4        | 237  | 7,3              | 20  | TC   | 3142731 |
|           |             |      |                  |     | TL   | 3142732 |
| MAX 30 TW | 110         | 319  | 9,3              | 27  | TC   | 3142733 |
|           |             |      |                  |     | TL   | 3142734 |

**One stage with pre-heater versions (NOx < 185 mg/kWh) - Thermowatt control - B10**

| model      | output [kW] |     | flow rate [kg/h] |     | head | code    |
|------------|-------------|-----|------------------|-----|------|---------|
|            | min         | max | min              | max |      |         |
| MAX 1 R TW | 20          | 39  | 1,5              | 3,5 | TC   | 3142711 |
|            |             |     |                  |     | TL   | 3142712 |
| MAX 4 R TW | 20          | 59  | 1,7              | 5   | TC   | 3142720 |
|            |             |     |                  |     | TL   | 3142721 |

**Two stages hydraulic system class 2 (NO<sub>x</sub> < 185 mg/kWh) - Siemens control**

| model          | output [kW] |     | flow rate [kg/h] |      | head | code    |
|----------------|-------------|-----|------------------|------|------|---------|
|                | min         | max | min              | max  |      |         |
| MAX P 12 AB HS | 60          | 130 | 5,1              | 11   | TC   | 3124094 |
|                |             |     |                  |      | TL   | 3124095 |
| MAX P 15 AB HS | 77          | 190 | 6,5              | 16   | TC   | 3122708 |
|                |             |     |                  |      | TL   | 3122709 |
| MAX P 25 AB HS | 102         | 300 | 8,6              | 25,4 | TC   | 3122710 |
|                |             |     |                  |      | TL   | 3122274 |
| MAX P 35 AB HS | 166         | 427 | 14               | 36   | TC   | 3142301 |
|                |             |     |                  |      | TL   | 3142302 |
| MAX P 45 AB HS | 202         | 546 | 17               | 46   | TC   | 3142305 |
|                |             |     |                  |      | TL   | 3142306 |

**Two stages class 2 (NO<sub>x</sub> < 185 mg/kWh) - Siemens control**

| model       | output [kW] |     | flow rate [kg/h] |     | head | code    |
|-------------|-------------|-----|------------------|-----|------|---------|
|             | min         | max | min              | max |      |         |
| MAX P 35 AB | 166         | 427 | 14               | 36  | TC   | 3142299 |
|             |             |     |                  |     | TL   | 3142300 |
| MAX P 45 AB | 202         | 546 | 17               | 46  | TC   | 3142303 |
|             |             |     |                  |     | TL   | 3142304 |

**One stage class 2 (NO<sub>x</sub> < 185 mg/kWh) - Thermowatt control - HIGH TEMPERATURE / CONTINUOUS VENTILATION**

| model           | output [kW] |      | flow rate [kg/h] |     | head | code       |
|-----------------|-------------|------|------------------|-----|------|------------|
|                 | min         | max  | min              | max |      |            |
| MAX 1 HT CV TW  | 17,6        | 41,4 | 1,5              | 3,5 | TC   | on request |
|                 |             |      |                  |     | TL   | on request |
| MAX 4 HT CV TW  | 20          | 59   | 1,7              | 5   | TC   | 3144063    |
|                 |             |      |                  |     | TL   | on request |
| MAX 8 HT CV TW  | 47          | 105  | 4                | 8,9 | TC   | on request |
|                 |             |      |                  |     | TL   | 3144064    |
| MAX 12 HT CV TW | 60          | 130  | 5,1              | 11  | TC   | on request |
|                 |             |      |                  |     | TL   | on request |
| MAX 15 HT CV TW | 73,4        | 190  | 6,2              | 16  | TC   | on request |
|                 |             |      |                  |     | TL   | 3143828    |
| MAX 20 HT CV TW | 86,4        | 237  | 7,3              | 20  | TC   | on request |
|                 |             |      |                  |     | TL   | 3143829    |
| MAX 30 HT CV TW | 110         | 319  | 9,3              | 27  | TC   | on request |
|                 |             |      |                  |     | TL   | on request |

**Two stages hydraulic system**

| model                  | output [kW] |      | flow rate [kg/h] |     | silencer | head | code    |
|------------------------|-------------|------|------------------|-----|----------|------|---------|
|                        | min         | max  | min              | max |          |      |         |
| MAIOR P 60 AB HS       | 415         | 710  | 35               | 60  | OPT      | TC   | 3140151 |
|                        |             |      |                  |     |          | TL   | 3140152 |
| MAIOR P 60 AB HS D     | 415         | 710  | 35               | 60  | OPT      | TC   | 3141572 |
|                        |             |      |                  |     |          | TL   | 3141571 |
| MAIOR P 80 AB HS       | 474         | 949  | 40               | 80  | OPT      | TC   | 3121063 |
|                        |             |      |                  |     |          | TL   | 3121064 |
| MAIOR P 120 AB HS      | 830         | 1423 | 70               | 120 | OPT      | TC   | 3121065 |
|                        |             |      |                  |     |          | TL   | 3121066 |
| MAIOR P 150.1 AB HS    | 592         | 1780 | 50               | 150 | OPT      | TC   | 3121067 |
|                        |             |      |                  |     |          | TL   | 3121068 |
| MAIOR P 200.1 AB HS    | 710         | 2372 | 60               | 200 | OPT      | TC   | 3121069 |
|                        |             |      |                  |     |          | TL   | 3121070 |
| MAIOR P 300.1 AB HS    | 1000        | 3000 | 85               | 250 | OPT      | TC   | 3143743 |
|                        |             |      |                  |     |          | TL   | 3143744 |
| MAIOR P 400.1 AB HS Z3 | 1300        | 3900 | 110              | 350 | OPT      | TC   | 3143745 |
|                        |             |      |                  |     |          | TL   | 3143746 |

**Two stages**

| model               | output [kW] |      | flow rate [kg/h] |     | silencer | head | code    |
|---------------------|-------------|------|------------------|-----|----------|------|---------|
|                     | min         | max  | min              | max |          |      |         |
| MAIOR P 60 AB       | 415         | 710  | 35               | 60  | OPT      | TC   | 3121016 |
|                     |             |      |                  |     |          | TL   | 3122265 |
| MAIOR P 80 AB       | 474         | 949  | 40               | 80  | OPT      | TC   | 3121018 |
|                     |             |      |                  |     |          | TL   | 3122266 |
| MAIOR P 120 AB      | 830         | 1423 | 70               | 120 | OPT      | TC   | 3121020 |
|                     |             |      |                  |     |          | TL   | 3122269 |
| MAIOR P 150.1 AB    | 592         | 1780 | 50               | 150 | OPT      | TC   | 3121022 |
|                     |             |      |                  |     |          | TL   | 3121021 |
| MAIOR P 200.1 AB    | 710         | 2372 | 60               | 200 | OPT      | TC   | 3121024 |
|                     |             |      |                  |     |          | TL   | 3121023 |
| MAIOR P 300.1 AB    | 1000        | 3000 | 85               | 250 | OPT      | TC   | 3143731 |
|                     |             |      |                  |     |          | TL   | 3143742 |
| MAIOR P 400.1 AB Z3 | 1300        | 3900 | 110              | 350 | OPT      | TC   | 3143733 |
|                     |             |      |                  |     |          | TL   | 3143732 |

**Two stages progressive mechanical**

| model             | output [kW] |       | flow rate [kg/h] |      | silencer | head | code       |
|-------------------|-------------|-------|------------------|------|----------|------|------------|
|                   | min         | max   | min              | max  |          |      |            |
| MAIOR P 45 PR     | 296         | 532   | 25               | 45   | OPT      | TL   | on request |
| MAIOR P 60 PR     | 415         | 710   | 35               | 60   | OPT      | TL   | on request |
| MAIOR P 80 PR     | 474         | 949   | 40               | 80   | OPT      | TL   | on request |
| MAIOR P 120 PR    | 830         | 1423  | 70               | 120  | OPT      | TL   | on request |
| MAIOR P 150.1 PR  | 592         | 1780  | 50               | 150  | OPT      | TL   | on request |
| MAIOR P 200.1 PR  | 710         | 2372  | 60               | 200  | OPT      | TL   | on request |
| MAIOR P 300.1 PR  | 1000        | 3000  | 85               | 250  | OPT      | TC   | 3143734    |
|                   |             |       |                  |      |          | TL   | 3143735    |
| MAIOR P 400.1 PR  | 1300        | 3900  | 110              | 350  | OPT      | TC   | 3143736    |
|                   |             |       |                  |      |          | TL   | 3143737    |
| MAIOR P 500.1 PR  | 1578        | 5000  | 134              | 422  | OPT      | TC   | 3143738    |
|                   |             |       |                  |      |          | TL   | 3143739    |
| MAIOR P 600.1 PR  | 1795        | 5800  | 153              | 490  | OPT      | TC   | 3143740    |
|                   |             |       |                  |      |          | TL   | 3143741    |
| MAIOR P 700.1 PR  | 2417        | 7500  | 205              | 634  | OPT      | TC   | on request |
|                   |             |       |                  |      |          | TL   | on request |
| MAIOR P 800.1 PR  | 2750        | 8500  | 234              | 718  | OPT      | TC   | 3142963    |
| MAIOR P 1000.1 PR | 3300        | 10500 | 281              | 887  | OPT      | TC   | on request |
| MAIOR P 1200.1 PR | 4367        | 12500 | 371              | 1053 | OPT      | TC   | on request |
| MAIOR P 1500.1 PR | 5000        | 15000 | 422              | 1265 | OPT      | TC   | 3142964    |
| MAIOR P 1800.1 PR | 5700        | 17000 | 481              | 1433 | OPT      | TC   | on request |

**NOZZLES**

| Oil Nozzles for modulating burner                       | delivery (kg/h)                                                |
|---------------------------------------------------------|----------------------------------------------------------------|
| For burner Multicalor/Multiflam/Maior from 200 to 1200  | 100-150-200-250-300-350-400-450-500-600-700-800-900-1000-1100* |
| For burner Multicalor/Multiflam/Maior from 1800 to 2300 | 1100-1200-1300-1400-1500-1600-1800-2000*                       |

\*other deliveries available on request

## One stage - 50° E fuel viscosity at 50° C

| model      | output [kW] |     | flow rate [kg/h] |     | head | code    |
|------------|-------------|-----|------------------|-----|------|---------|
|            | min         | max | min              | max |      |         |
| MAXFLAM 10 | 68          | 136 | 6                | 12  | TC   | 3143324 |
|            |             |     |                  |     | TL   | 3143325 |
| MAXFLAM 20 | 108         | 227 | 9,5              | 20  | TC   | 3143326 |
|            |             |     |                  |     | TL   | 3143327 |
| MAXFLAM 30 | 170         | 340 | 15               | 30  | TC   | 3143328 |
|            |             |     |                  |     | TL   | 3143329 |

## Two stages - 50° E fuel viscosity at 50° C

| model         | output [kW] |     | flow rate [kg/h] |     | head | code    |
|---------------|-------------|-----|------------------|-----|------|---------|
|               | min         | max | min              | max |      |         |
| MAXFLAM 30 AB | 205         | 410 | 18               | 36  | TC   | 3143330 |
|               |             |     |                  |     | TL   | 3143331 |
| MAXFLAM 50 AB | 205         | 570 | 18               | 50  | TC   | 3143332 |
|               |             |     |                  |     | TL   | 3143333 |

**Two stages - 50° E fuel viscosity at 50 °C**

| model               | output [kW] |      | flow rate [kg/h] |     | silencer | head | code    |
|---------------------|-------------|------|------------------|-----|----------|------|---------|
|                     | min         | max  | min              | max |          |      |         |
| OILFLAM 80.1 AB     | 464         | 930  | 41               | 82  | OPT      | TC   | 3142604 |
|                     |             |      |                  |     |          | TL   | 3142605 |
| OILFLAM 120.1 AB    | 682         | 1395 | 60               | 122 | OPT      | TC   | 3142606 |
|                     |             |      |                  |     |          | TL   | 3142607 |
| OILFLAM 170.1 AB    | 682         | 1700 | 60               | 148 | OPT      | TC   | 3142608 |
|                     |             |      |                  |     |          | TL   | 3142609 |
| OILFLAM 200.1 AB    | 682         | 2093 | 60               | 184 | OPT      | TC   | 3142610 |
|                     |             |      |                  |     |          | TL   | 3142611 |
| OILFLAM 300.1 AB    | 1000        | 3000 | 88,5             | 264 | OPT      | TC   | 3143753 |
|                     |             |      |                  |     |          | TL   | 3143754 |
| OILFLAM 400.1 AB Z3 | 1300        | 3900 | 115              | 343 | OPT      | TC   | 3143755 |
|                     |             |      |                  |     |          | TL   | 3143756 |

**Two stages progressive mechanical - 50° E fuel viscosity at 50 °C**

| model            | output [kW] |      | flow rate [kg/h] |     | silencer | head | code       |
|------------------|-------------|------|------------------|-----|----------|------|------------|
|                  | min         | max  | min              | max |          |      |            |
| OILFLAM 80.1 PR  | 464         | 930  | 41               | 82  | OPT      | TL   | on request |
| OILFLAM 120.1 PR | 682         | 1395 | 60               | 122 | OPT      | TL   | on request |
| OILFLAM 170.1 PR | 682         | 1700 | 60               | 148 | OPT      | TL   | on request |
| OILFLAM 200.1 PR | 682         | 2093 | 60               | 184 | OPT      | TL   | on request |
| OILFLAM 300.1 PR | 1000        | 3000 | 88,5             | 264 | OPT      | TC   | 3143757    |
|                  |             |      |                  |     |          | TL   | 3143758    |
| OILFLAM 400.1 PR | 1300        | 3900 | 115              | 343 | OPT      | TC   | 3143759    |
|                  |             |      |                  |     |          | TL   | 3143760    |
| OILFLAM 500.1 PR | 1578        | 5000 | 140              | 440 | OPT      | TC   | 3143761    |
|                  |             |      |                  |     |          | TL   | 3143762    |
| OILFLAM 600.1 PR | 1795        | 5800 | 159              | 510 | OPT      | TC   | 3143763    |
|                  |             |      |                  |     |          | TL   | 3143764    |



**Two stages progressive mechanical - 50 °E fuel viscosity at 50 °C**

| model             | output [kW] |       | flow rate [kg/h] |      | silencer | head | code       |
|-------------------|-------------|-------|------------------|------|----------|------|------------|
|                   | min         | max   | min              | max  |          |      |            |
| OILFLAM 700.1 PR  | 2417        | 7500  | 214              | 660  | OPT      | TC   | 3143936    |
|                   |             |       |                  |      |          | TL   | on request |
| OILFLAM 800.1 PR  | 2750        | 8500  | 243              | 748  | OPT      | TC   | on request |
| OILFLAM 1000.1 PR | 3300        | 10500 | 292              | 924  | OPT      | TC   | on request |
| OILFLAM 1200.1 PR | 4367        | 12500 | 386              | 1097 | OPT      | TC   | on request |
| OILFLAM 1500.1 PR | 5000        | 15000 | 440              | 1319 | OPT      | TC   | on request |
| OILFLAM 1800.1 PR | 5700        | 17000 | 501              | 1495 | OPT      | TC   | on request |

**NOZZLES**

| Oil Nozzles for modulating burner                       | delivery (kg/h)                                                |
|---------------------------------------------------------|----------------------------------------------------------------|
| For burner Multicalor/Multiflam/Maior from 200 to 1200  | 100-150-200-250-300-350-400-450-500-600-700-800-900-1000-1100* |
| For burner Multicalor/Multiflam/Maior from 1800 to 2300 | 1100-1200-1300-1400-1500-1600-1800-2000*                       |

\*other deliveries available on request

## Two stages gas / Two stages light oil

| model            | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |             |       | gas governor and filter |             |
|------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|-------------|-------|-------------------------|-------------|
|                  | min         | max  | head        | code    |          | code            | min             | max | code      | type        | Ø     | code                    | type        |
| MULTICALOR 45    | 190         | 500  | TC          | 3140429 | -        | -               | 17              | 500 | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                  |             |      |             |         |          |                 | 90              |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"     |
|                  |             |      | TL          | 3140428 | -        | -               | 17              | 500 | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                  |             |      |             |         |          |                 | 90              |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"     |
| MULTICALOR 70    | 250         | 700  | TC          | 3140431 | OPT      | -               | 15              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"     |
|                  |             |      |             |         |          |                 | 30              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                  |             |      |             |         |          |                 | 170             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"     |
|                  |             |      | TL          | 3140430 | OPT      | -               | 15              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"     |
|                  |             |      |             |         |          |                 | 30              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                  |             |      |             |         |          |                 | 170             |     | 3142024   | VCS 125     | 1"    | 3142521                 | FGDR 1"     |
| MULTICALOR 100   | 300         | 1000 | TC          | 3140433 | OPT      | -               | 25              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"     |
|                  |             |      |             |         |          |                 | 40              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                  |             |      |             |         |          |                 | 165             |     | 3142024   | VCS 125     | 1"    | 3142523                 | FGDR 1"1/2  |
|                  |             |      | TL          | 3140432 | OPT      | -               | 25              | 500 | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"     |
|                  |             |      |             |         |          |                 | 40              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                  |             |      |             |         |          |                 | 165             |     | 3142024   | VCS 125     | 1"    | 3142523                 | FGDR 1"1/2  |
| MULTICALOR 140   | 400         | 1300 | TC          | 3140439 | OPT      | -               | 25              | 500 | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"   |
|                  |             |      |             |         |          |                 | 35              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"     |
|                  |             |      |             |         |          |                 | 80              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                  |             |      | TL          | 3140438 | OPT      | -               | 25              | 500 | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"   |
|                  |             |      |             |         |          |                 | 35              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"     |
|                  |             |      |             |         |          |                 | 80              |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |
| MULTICALOR 170.1 | 342         | 1770 | TC          | 3142628 | OPT      | 3142069         | 20              | 500 | 3142026   | VGDR 40.080 | DN80  | 3142088                 | Filter DN80 |
|                  |             |      |             |         |          | 3142075         | 45              |     | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"   |
|                  |             |      |             |         |          |                 | 65              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"     |
|                  |             |      |             |         |          |                 | 150             |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |
|                  |             |      | TL          | 3142629 | OPT      | 3142069         | 20              | 500 | 3142026   | VGDR 40.080 | DN80  | 3142088                 | Filter DN80 |
|                  |             |      |             |         |          | 3142075         | 45              |     | 3123860   | VGDR 20.503 | 2"    | 3121384                 | Filter 2"   |
|                  |             |      |             |         |          |                 | 65              |     | 3141862   | VCS 350     | 2"    | 3142524                 | FGDR 2"     |
|                  |             |      |             |         |          |                 | 150             |     | 3142025   | VCS 240     | 1"1/2 | 3142523                 | FGDR 1"1/2  |

|                  |     |      |    |         |     |         |     |     |         |            |       |         |             |
|------------------|-----|------|----|---------|-----|---------|-----|-----|---------|------------|-------|---------|-------------|
| MULTICALOR 200.1 | 414 | 2150 | TC | 3142630 | OPT | 3142069 | 23  | 500 | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80 |
|                  |     |      |    |         |     | 3142197 | 35  |     | 3124110 | VGD 40.065 | 2"1/2 | 3124111 | Filter DN65 |
|                  |     |      |    |         |     | 3142075 | 60  |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"   |
|                  |     |      |    |         |     |         | 90  |     | 3141862 | VCS 350    | 2"    | 3142524 | FGDR 2"     |
|                  |     |      |    |         |     |         | 220 |     | 3142025 | VCS 240    | 1"1/2 | 3142523 | FGDR 1"1/2  |
|                  |     |      | TL | 3142631 | OPT | 3142069 | 23  | 500 | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80 |
|                  |     |      |    |         |     | 3142197 | 35  |     | 3124110 | VGD 40.065 | 2"1/2 | 3124111 | Filter DN65 |
|                  |     |      |    |         |     | 3142075 | 60  |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"   |
|                  |     |      |    |         |     |         | 90  |     | 3141862 | VCS 350    | 2"    | 3142524 | FGDR 2"     |
|                  |     |      |    |         |     |         | 220 |     | 3142025 | VCS 240    | 1"1/2 | 3142523 | FGDR 1"1/2  |

## Two stages progressive mechanical gas / Two stages light oil

| model                | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |       | gas governor and filter |            |
|----------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|-------|-------------------------|------------|
|                      | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø     | code                    | type       |
| MULTICALOR 70 PR-AB  | 190         | 700  | TC          | 3142632 | OPT      | -               | 15              | 500 | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"    |
|                      |             |      |             |         |          |                 | 30              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                      |             |      |             |         |          |                 | 170             |     | 3142024   | VCS 125    | 1"    | 3142521                 | FGDR 1"    |
|                      |             |      | TL          | 3142633 | OPT      | -               | 15              | 500 | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"    |
|                      |             |      |             |         |          |                 | 30              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                      |             |      |             |         |          |                 | 170             |     | 3142024   | VCS 125    | 1"    | 3142521                 | FGDR 1"    |
| MULTICALOR 100 PR-AB | 200         | 1000 | TC          | 3142634 | OPT      | -               | 25              | 500 | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"    |
|                      |             |      |             |         |          |                 | 40              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                      |             |      |             |         |          |                 | 165             |     | 3142024   | VCS 125    | 1"    | 3142523                 | FGDR 1"1/2 |
|                      |             |      | TL          | 3142635 | OPT      | -               | 25              | 500 | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"    |
|                      |             |      |             |         |          |                 | 40              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                      |             |      |             |         |          |                 | 165             |     | 3142024   | VCS 125    | 1"    | 3142523                 | FGDR 1"1/2 |
| MULTICALOR 140 PR-AB | 250         | 1300 | TC          | 3142636 | OPT      | -               | 25              | 500 | 3123860   | VGD 20.503 | 2"    | 3121384                 | Filter 2"  |
|                      |             |      |             |         |          |                 | 35              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"    |
|                      |             |      |             |         |          |                 | 80              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2 |
|                      |             |      | TL          | 3142637 | OPT      | -               | 25              | 500 | 3123860   | VGD 20.503 | 2"    | 3121384                 | Filter 2"  |
|                      |             |      |             |         |          |                 | 35              |     | 3141862   | VCS 350    | 2"    | 3142524                 | FGDR 2"    |
|                      |             |      |             |         |          |                 | 80              |     | 3142025   | VCS 240    | 1"1/2 | 3142523                 | FGDR 1"1/2 |

|                        |     |      |    |         |     |         |     |     |         |            |       |         |             |
|------------------------|-----|------|----|---------|-----|---------|-----|-----|---------|------------|-------|---------|-------------|
| MULTICALOR 170.1 PR-AB | 342 | 1770 | TC | 3142638 | OPT | 3142069 | 20  | 500 | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80 |
|                        |     |      |    |         |     | 3142075 | 45  |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"   |
|                        |     |      |    |         |     |         | 65  |     | 3141862 | VCS 350    | 2"    | 3142524 | FGDR 2"     |
|                        |     |      |    |         |     |         | 150 |     | 3142025 | VCS 240    | 1"1/2 | 3142523 | FGDR 1"1/2  |
|                        |     |      | TL | 3142639 | OPT | 3142069 | 20  | 500 | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80 |
|                        |     |      |    |         |     | 3142075 | 45  |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"   |
|                        |     |      |    |         |     |         | 65  |     | 3141862 | VCS 350    | 2"    | 3142524 | FGDR 2"     |
|                        |     |      |    |         |     |         | 150 |     | 3142025 | VCS 240    | 1"1/2 | 3142523 | FGDR 1"1/2  |
| MULTICALOR 200.1 PR-AB | 414 | 2150 | TC | 3142640 | OPT | 3142069 | 23  | 500 | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80 |
|                        |     |      |    |         |     | 3142197 | 35  |     | 3124110 | VGD 40.065 | 2"1/2 | 3124111 | Filter DN65 |
|                        |     |      |    |         |     | 3142075 | 60  |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"   |
|                        |     |      |    |         |     |         | 90  |     | 3141862 | VCS 350    | 2"    | 3142524 | FGDR 2"     |
|                        |     |      |    |         |     |         | 220 |     | 3142025 | VCS 240    | 1"1/2 | 3142523 | FGDR 1"1/2  |
|                        |     |      |    |         |     |         |     |     |         |            |       |         |             |
|                        |     |      | TL | 3142641 | OPT | 3142069 | 23  | 500 | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80 |
|                        |     |      |    |         |     | 3142197 | 35  |     | 3124110 | VGD 40.065 | 2"1/2 | 3124111 | Filter DN65 |
|                        |     |      |    |         |     | 3142075 | 60  |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"   |
|                        |     |      |    |         |     |         | 90  |     | 3141862 | VCS 350    | 2"    | 3142524 | FGDR 2"     |
|                        |     |      |    |         |     |         | 220 |     | 3142025 | VCS 240    | 1"1/2 | 3142523 | FGDR 1"1/2  |
|                        |     |      |    |         |     |         |     |     |         |            |       |         |             |

**Two stages gas / Two stages light oil - MultiBloc gas train**

| model         | output [kW] |     | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |        | gas governor and filter |
|---------------|-------------|-----|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|--------|-------------------------|
|               | min         | max | head        | code    |          | code            | min             | max | code      | type       | Ø      |                         |
| MULTICALOR 45 | 190         | 500 | TC          | 3140429 | OPT      | -               | 15              | 360 | 3141846   | MB-DLE 415 | 1" 1/2 | included                |
|               |             |     |             |         |          |                 | 30              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
|               |             |     |             |         |          |                 | 50              |     | 3142022   | MB-DLE 410 | 1"     |                         |
|               |             |     |             |         |          |                 | 85              |     | 3141843   | MB-DLE 407 | 3/4"   |                         |
|               |             |     | TL          | 3140428 | OPT      | -               | 15              | 360 | 3141846   | MB-DLE 415 | 1" 1/2 | included                |
|               |             |     |             |         |          |                 | 30              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
|               |             |     |             |         |          |                 | 50              |     | 3142022   | MB-DLE 410 | 1"     |                         |
|               |             |     |             |         |          |                 | 85              |     | 3141843   | MB-DLE 407 | 3/4"   |                         |
| MULTICALOR 70 | 250         | 700 | TC          | 3140431 | OPT      | -               | 17              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|               |             |     |             |         |          |                 | 25              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|               |             |     |             |         |          |                 | 75              |     | 3142022   | MB-DLE 410 | 1"     |                         |
|               |             |     | TL          | 3140430 | OPT      | -               | 17              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|               |             |     |             |         |          |                 | 25              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|               |             |     |             |         |          |                 | 75              |     | 3142022   | MB-DLE 410 | 1"     |                         |

|                  |     |      |    |         |     |         |     |     |         |            |        |          |
|------------------|-----|------|----|---------|-----|---------|-----|-----|---------|------------|--------|----------|
| MULTICALOR 100   | 300 | 1000 | TC | 3140433 | OPT | -       | 27  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                  |     |      |    |         |     |         | 35  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                  |     |      |    |         |     |         | 75  |     | 3141845 | MB-DLE 412 | 1" 1/4 |          |
|                  |     |      | TL | 3140432 | OPT | -       | 27  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                  |     |      |    |         |     |         | 35  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                  |     |      |    |         |     |         | 75  |     | 3141845 | MB-DLE 412 | 1" 1/4 |          |
| MULTICALOR 140   | 400 | 1300 | TC | 3140439 | OPT | -       | 40  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                  |     |      |    |         |     |         | 50  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                  |     |      |    |         |     |         | 100 |     | 3141845 | MB-DLE 412 | 1" 1/4 |          |
|                  |     |      | TL | 3140438 | OPT | -       | 40  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                  |     |      |    |         |     |         | 50  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                  |     |      |    |         |     |         | 100 |     | 3141845 | MB-DLE 412 | 1" 1/4 |          |
| MULTICALOR 170.1 | 342 | 1770 | TC | 3142628 | OPT | 3142075 | 60  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                  |     |      |    |         |     |         | 85  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                  |     |      | TL | 3142629 | OPT | 3142075 | 60  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                  |     |      |    |         |     |         | 85  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
| MULTICALOR 200.1 | 414 | 2150 | TC | 3142630 | OPT | 3142075 | 75  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                  |     |      |    |         |     |         | 100 |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                  |     |      | TL | 3142631 | OPT | 3142075 | 75  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                  |     |      |    |         |     |         | 100 |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |

**Two stages progressive mechanical gas / Two stages light oil - MultiBloc gas train**

| model                | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |        | gas governor and filter |
|----------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|--------|-------------------------|
|                      | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø      |                         |
| MULTICALOR 70 PR-AB  | 190         | 700  | TC          | 3142632 | OPT      | -               | 17              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                      |             |      |             |         |          |                 | 25              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                      |             |      |             |         |          |                 | 75              |     | 3142022   | MB-DLE 410 | 1"     |                         |
|                      |             |      | TL          | 3142633 | OPT      | -               | 17              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                      |             |      |             |         |          |                 | 25              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                      |             |      |             |         |          |                 | 75              |     | 3142022   | MB-DLE 410 | 1"     |                         |
| MULTICALOR 100 PR-AB | 200         | 1000 | TC          | 3142634 | OPT      | -               | 27              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                      |             |      |             |         |          |                 | 35              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                      |             |      |             |         |          |                 | 75              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |
|                      |             |      | TL          | 3142635 | OPT      | -               | 27              | 360 | 3141847   | MB-DLE 420 | 2"     | included                |
|                      |             |      |             |         |          |                 | 35              |     | 3141846   | MB-DLE 415 | 1" 1/2 |                         |
|                      |             |      |             |         |          |                 | 75              |     | 3141845   | MB-DLE 412 | 1" 1/4 |                         |

|                        |     |      |    |         |     |         |     |     |         |            |        |          |
|------------------------|-----|------|----|---------|-----|---------|-----|-----|---------|------------|--------|----------|
| MULTICALOR 140 PR-AB   | 250 | 1300 | TC | 3142636 | OPT | -       | 40  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                        |     |      |    |         |     |         | 50  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                        |     |      |    |         |     |         | 100 |     | 3141845 | MB-DLE 412 | 1" 1/4 |          |
|                        |     |      | TL | 3142637 | OPT | -       | 40  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                        |     |      |    |         |     |         | 50  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                        |     |      |    |         |     |         | 100 |     | 3141845 | MB-DLE 412 | 1" 1/4 |          |
| MULTICALOR 170.1 PR-AB | 342 | 1770 | TC | 3142638 | OPT | 3142075 | 60  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                        |     |      |    |         |     |         | 85  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                        |     |      | TL | 3142639 | OPT | 3142075 | 60  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                        |     |      |    |         |     |         | 85  |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
| MULTICALOR 200.1 PR-AB | 414 | 2150 | TC | 3142640 | OPT | 3142075 | 75  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                        |     |      |    |         |     |         | 100 |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |
|                        |     |      | TL | 3142641 | OPT | 3142075 | 75  | 360 | 3141847 | MB-DLE 420 | 2"     | included |
|                        |     |      |    |         |     |         | 100 |     | 3141846 | MB-DLE 415 | 1" 1/2 |          |

**Two stages progressive mechanical gas / Two stages progressive light oil - Only body**

| model               | output [kW] |      | burner body |            | silencer |
|---------------------|-------------|------|-------------|------------|----------|
|                     | min         | max  | head        | code       |          |
| MULTICALOR 70 PR    | 250         | 700  | TL          | on request | OPT      |
| MULTICALOR 100 PR   | 300         | 1000 | TL          | on request | OPT      |
| MULTICALOR 140 PR   | 400         | 1300 | TL          | on request | OPT      |
| MULTICALOR 170.1 PR | 342         | 1770 | TL          | on request | OPT      |
| MULTICALOR 200.1 PR | 414         | 2150 | TL          | on request | OPT      |

**Two stages progressive mechanical gas / Two stages progressive mechanical light oil**

| model               | output [kW] |      | burner body |         | silencer | connection pipe     | pressure [mbar] |     | gas train (§) |            |       | gas governor and filter |              |
|---------------------|-------------|------|-------------|---------|----------|---------------------|-----------------|-----|---------------|------------|-------|-------------------------|--------------|
|                     | min         | max  | head        | code    |          | code                | min             | max | code          | type       | Ø     | code                    | type         |
| MULTICALOR 300.1 PR | 630         | 3000 | TC          | 3143765 | OPT      | 3142069+<br>3142073 | 22              | 500 | 3141869       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                     |             |      |             |         |          | 3142069             | 35              |     | 3142026       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                     |             |      |             |         |          | 3142197             | 55              |     | 3124110       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                     |             |      |             |         |          | 3142075             | 100             |     | 3123860       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|                     |             |      | TL          | 3143766 | OPT      | 3142069+<br>3142073 | 22              | 500 | 3141869       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                     |             |      |             |         |          | 3142069             | 35              |     | 3142026       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                     |             |      |             |         |          | 3142197             | 55              |     | 3124110       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                     |             |      |             |         |          | 3142075             | 100             |     | 3123860       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |

|                     |      |      |    |         |     |                     |     |     |         |            |       |         |              |
|---------------------|------|------|----|---------|-----|---------------------|-----|-----|---------|------------|-------|---------|--------------|
| MULTICALOR 400.1 PR | 875  | 3900 | TC | 3143767 | OPT | 3142069+<br>3142073 | 30  | 500 | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |      |    |         |     | 3142069             | 50  |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |      |    |         |     | 3142197             | 90  |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                     |      |      |    |         |     | 3142075             | 170 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
|                     |      |      | TL | 3143768 | OPT | 3142069+<br>3142073 | 30  | 500 | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |      |    |         |     | 3142069             | 50  |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |      |    |         |     | 3142197             | 90  |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                     |      |      |    |         |     | 3142075             | 170 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
| MULTICALOR 500.1 PR | 1200 | 5000 | TC | 3143769 | OPT | 3142198             | 35  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |      |    |         |     | 3142070+<br>3142073 | 45  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |      |    |         |     | 3142070             | 75  |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |      |    |         |     | 3142071             | 140 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                     |      |      |    |         |     | 3142075             | 250 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
|                     |      |      | TL | 3143770 | OPT | 3142198             | 35  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |      |    |         |     | 3142070+<br>3142073 | 45  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |      |    |         |     | 3142070             | 75  |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |      |    |         |     | 3142071             | 140 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                     |      |      |    |         |     | 3142075             | 250 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
| MULTICALOR 600.1 PR | 1500 | 5800 | TC | 3143771 | OPT | 3142198             | 50  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |      |    |         |     | 3142070+<br>3142073 | 60  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |      |    |         |     | 3142070             | 100 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |      |    |         |     | 3142071             | 180 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                     |      |      |    |         |     | 3142075             | 340 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
|                     |      |      | TL | 3143772 | OPT | 3142198             | 50  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |      |    |         |     | 3142070+<br>3142073 | 60  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |      |    |         |     | 3142070             | 100 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |      |    |         |     | 3142071             | 180 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
|                     |      |      |    |         |     | 3142075             | 340 |     | 3123860 | VGD 20.503 | 2"    | 3121384 | Filter 2"    |
| MULTICALOR 700.1 PR | 1500 | 7500 | TC | 3143773 | OPT | 3142422+<br>3142425 | 60  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |      |    |         |     | 3142422             | 75  |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |      |    |         |     | 3142424             | 140 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |      |    |         |     | 3142423             | 280 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from MULTICALOR 300.1 change spring and damping (see pag. 49)

|                      |      |       |    |         |     |                     |     |     |         |            |       |         |              |
|----------------------|------|-------|----|---------|-----|---------------------|-----|-----|---------|------------|-------|---------|--------------|
| MULTICALOR 800.1 PR  | 2000 | 8500  | TC | 3143774 | OPT | 3142422+<br>3142425 | 85  | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                      |      |       |    |         |     | 3142422             | 110 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                      |      |       |    |         |     | 3142424             | 210 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                      |      |       |    |         |     | 3142423             | 410 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
| MULTICALOR 1000.1 PR | 2500 | 10500 | TC | 3143775 | OPT | 3142422+<br>3142425 | 115 | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                      |      |       |    |         |     | 3142422             | 165 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                      |      |       |    |         |     | 3142424             | 290 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
|                      |      |       |    |         |     | 3142423             | 550 |     | 3124110 | VGD 40.065 | DN65  | 3124111 | Filter DN65  |
| MULTICALOR 1200.1 PR | 2700 | 13000 | TC | 3143776 | OPT | 3142422+<br>3142425 | 175 | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                      |      |       |    |         |     | 3142422             | 230 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                      |      |       |    |         |     | 3142424             | 420 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
| MULTICALOR 1500.1 PR | 3690 | 15000 | TC | 3143777 | OPT | 3142422+<br>3142425 | 150 | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                      |      |       |    |         |     | 3142422             | 230 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |
|                      |      |       |    |         |     | 3142424             | 450 |     | 3142026 | VGD 40.080 | DN80  | 3142088 | Filter DN80  |
| MULTICALOR 1800.1 PR | 4000 | 17000 | TC | 3143778 | OPT | 3142422+<br>3142425 | 210 | 500 | 3142666 | VGD 40.125 | DN125 | 3142206 | Filter DN125 |
|                      |      |       |    |         |     | 3142422             | 330 |     | 3141869 | VGD 40.100 | DN100 | 3142205 | Filter DN100 |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from MULTICALOR 300.1 change spring and damping (see pag. 49)

### Two stages progressive electronic gas / Two stages progressive electronic light oil - Lamtec control

| model                | output [kW] |      | burner body |            | silencer |
|----------------------|-------------|------|-------------|------------|----------|
|                      | min         | max  | head        | code       |          |
| MULTICALOR 70 PRE    | 250         | 700  | TL          | on request | OPT      |
| MULTICALOR 100 PRE   | 300         | 1000 | TL          | on request | OPT      |
| MULTICALOR 140 PRE   | 400         | 1300 | TL          | on request | OPT      |
| MULTICALOR 170.1 PRE | 342         | 1770 | TL          | on request | OPT      |
| MULTICALOR 200.1 PRE | 414         | 2150 | TL          | on request | OPT      |



**Two stages progressive electronic gas / Two stages progressive electronic light oil - Lamtec control**

| model                | output [kW] |      | burner body |            | silencer | connection pipe     | pressure [mbar] |     | gas train (§) |            |       | gas governor and filter |              |
|----------------------|-------------|------|-------------|------------|----------|---------------------|-----------------|-----|---------------|------------|-------|-------------------------|--------------|
|                      | min         | max  | head        | code       |          | code                | min             | max | code          | type       | Ø     | code                    | type         |
| MULTICALOR 300.1 PRE | 630         | 3000 | TC          | on request | OPT      | 3142069+<br>3142073 | 22              | 500 | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                      |             |      |             |            |          | 3142069             | 35              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                      |             |      |             |            |          | 3142197             | 55              |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                      |             |      |             |            |          | 3142075             | 100             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|                      |             |      | TL          | on request | OPT      | 3142069+<br>3142073 | 22              | 500 | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                      |             |      |             |            |          | 3142069             | 35              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                      |             |      |             |            |          | 3142197             | 55              |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                      |             |      |             |            |          | 3142075             | 100             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
| MULTICALOR 400.1 PRE | 875         | 3900 | TC          | on request | OPT      | 3142069+<br>3142073 | 30              | 500 | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                      |             |      |             |            |          | 3142069             | 50              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                      |             |      |             |            |          | 3142197             | 90              |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                      |             |      |             |            |          | 3142075             | 170             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|                      |             |      | TL          | on request | OPT      | 3142069+<br>3142073 | 30              | 500 | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                      |             |      |             |            |          | 3142069             | 50              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                      |             |      |             |            |          | 3142197             | 90              |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                      |             |      |             |            |          | 3142075             | 170             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
| MULTICALOR 500.1 PRE | 1200        | 5000 | TC          | on request | OPT      | 3142198             | 35              | 500 | 3144282       | VGD 40.125 | DN125 | 3142206                 | Filter DN125 |
|                      |             |      |             |            |          | 3142070+<br>3142073 | 45              |     | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                      |             |      |             |            |          | 3142070             | 75              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                      |             |      |             |            |          | 3142071             | 140             |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                      |             |      |             |            |          | 3142075             | 250             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|                      |             |      | TL          | on request | OPT      | 3142198             | 35              | 500 | 3144282       | VGD 40.125 | DN125 | 3142206                 | Filter DN125 |
|                      |             |      |             |            |          | 3142070+<br>3142073 | 45              |     | 3144280       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                      |             |      |             |            |          | 3142070             | 75              |     | 3144279       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                      |             |      |             |            |          | 3142071             | 140             |     | 3144278       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                      |             |      |             |            |          | 3142075             | 250             |     | 3144277       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from MULTICALOR 300.1 change spring and damping (see pag. 49)

|                       |      |       |    |            |     |                 |     |     |         |            |       |         |              |
|-----------------------|------|-------|----|------------|-----|-----------------|-----|-----|---------|------------|-------|---------|--------------|
| MULTICALOR 600.1 PRE  | 1500 | 5800  | TC | on request | OPT | 3142198         | 50  | 500 | 3144282 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                       |      |       |    |            |     | 3142070+3142073 | 60  |     | 3144280 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                       |      |       |    |            |     | 3142070         | 100 |     | 3144279 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                       |      |       |    |            |     | 3142071         | 180 |     | 3144278 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
|                       |      |       |    |            |     | 3142075         | 340 |     | 3144277 | VDG 20.503 | 2"    | 3121384 | Filter 2"    |
|                       |      |       | TL | on request | OPT | 3142198         | 50  | 500 | 3144282 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                       |      |       |    |            |     | 3142070+3142073 | 60  |     | 3144280 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                       |      |       |    |            |     | 3142070         | 100 |     | 3144279 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                       |      |       |    |            |     | 3142071         | 180 |     | 3144278 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
|                       |      |       |    |            |     | 3142075         | 340 |     | 3144277 | VDG 20.503 | 2"    | 3121384 | Filter 2"    |
| MULTICALOR 700.1 PRE  | 1500 | 7500  | TC | on request | OPT | 3142422+3142425 | 60  | 500 | 3144282 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                       |      |       |    |            |     | 3142422         | 75  |     | 3144280 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                       |      |       |    |            |     | 3142424         | 140 |     | 3144279 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                       |      |       |    |            |     | 3142423         | 280 |     | 3144278 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
| MULTICALOR 800.1 PRE  | 2000 | 8500  | TC | on request | OPT | 3142422+3142425 | 85  | 500 | 3144282 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                       |      |       |    |            |     | 3142422         | 110 |     | 3144280 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                       |      |       |    |            |     | 3142424         | 210 |     | 3144279 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                       |      |       |    |            |     | 3142423         | 410 |     | 3144278 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
| MULTICALOR 1000.1 PRE | 2500 | 10500 | TC | on request | OPT | 3142422+3142425 | 115 | 500 | 3144282 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                       |      |       |    |            |     | 3142422         | 165 |     | 3144280 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                       |      |       |    |            |     | 3142424         | 290 |     | 3144279 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                       |      |       |    |            |     | 3142423         | 550 |     | 3144278 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
| MULTICALOR 1200.1 PRE | 2700 | 13000 | TC | on request | OPT | 3142422+3142425 | 175 | 500 | 3144282 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                       |      |       |    |            |     | 3142422         | 230 |     | 3144280 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                       |      |       |    |            |     | 3142424         | 420 |     | 3144279 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
| MULTICALOR 1500.1 PRE | 3690 | 15000 | TC | on request | OPT | 3142422+3142425 | 150 | 500 | 3144282 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                       |      |       |    |            |     | 3142422         | 230 |     | 3144280 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                       |      |       |    |            |     | 3142424         | 450 |     | 3144279 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
| MULTICALOR 1800.1 PRE | 4000 | 17000 | TC | on request | OPT | 3142422+3142425 | 210 | 500 | 3144282 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                       |      |       |    |            |     | 3142422         | 330 |     | 3144280 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from MULTICALOR 300.1 change spring and damping (see pag. 49)

## NOZZLES

| Oil Nozzles for modulating burner                       | delivery (kg/h)                                                |
|---------------------------------------------------------|----------------------------------------------------------------|
| For burner Multicalor/Multiflam/Maior from 200 to 1200  | 100-150-200-250-300-350-400-450-500-600-700-800-900-1000-1100* |
| For burner Multicalor/Multiflam/Maior from 1800 to 2300 | 1100-1200-1300-1400-1500-1600-1800-2000*                       |

\*other deliveries available on request

**Two stages gas / Two stages heavy oil - 50° E fuel viscosity at 50 °C**

| model           | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train |            |      | gas governor and filter |             |
|-----------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|-----------|------------|------|-------------------------|-------------|
|                 | min         | max  | head        | code    |          | code            | min             | max | code      | type       | Ø    | code                    | type        |
| MULTIFLAM 200.1 | 414         | 2150 | TC          | 3142669 | OPT      | -               | 35              | 700 | 3142026   | VGD 40.080 | DN80 | 3142088                 | Filter DN80 |
|                 |             |      |             |         |          | 3142935         | 55              |     | 3124110   | VGD 40.065 | DN65 | 3124111                 | Filter DN65 |
|                 |             |      |             |         |          | 3143080         | 100             |     | 3123860   | VGD 20.503 | 2"   | 3121384                 | Filter 2"   |
|                 |             |      | TL          | 3142670 | OPT      | -               | 35              | 700 | 3142026   | VGD 40.080 | DN80 | 3142088                 | Filter DN80 |
|                 |             |      |             |         |          | 3142935         | 55              |     | 3124110   | VGD 40.065 | DN65 | 3124111                 | Filter DN65 |
|                 |             |      |             |         |          | 3143080         | 100             |     | 3123860   | VGD 20.503 | 2"   | 3121384                 | Filter 2"   |

**Two stages progressive mechanical gas / Two stages progressive mechanical heavy oil - 50° E fuel viscosity at 50 °C**

| model              | output [kW] |      | burner body |         | silencer | connection pipe | pressure [mbar] |     | gas train (§) |            |       | gas governor and filter |              |
|--------------------|-------------|------|-------------|---------|----------|-----------------|-----------------|-----|---------------|------------|-------|-------------------------|--------------|
|                    | min         | max  | head        | code    |          | code            | min             | max | code          | type       | Ø     | code                    | type         |
| MULTIFLAM 300.1 PR | 630         | 3000 | TC          | 3143779 | OPT      | 3142073         | 22              | 700 | 3141869       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                    |             |      |             |         |          | -               | 35              |     | 3142026       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                    |             |      |             |         |          | 3142935         | 55              |     | 3124110       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                    |             |      |             |         |          | 3143080         | 100             |     | 3123860       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|                    |             |      | TL          | 3143780 | OPT      | 3142073         | 22              | 700 | 3141869       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                    |             |      |             |         |          | -               | 35              |     | 3142026       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                    |             |      |             |         |          | 3142935         | 55              |     | 3124110       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                    |             |      |             |         |          | 3143080         | 100             |     | 3123860       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
| MULTIFLAM 400.1 PR | 875         | 3900 | TC          | 3143781 | OPT      | 3142073         | 30              | 700 | 3141869       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                    |             |      |             |         |          | -               | 50              |     | 3142026       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                    |             |      |             |         |          | 3142935         | 90              |     | 3124110       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                    |             |      |             |         |          | 3143080         | 170             |     | 3123860       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|                    |             |      | TL          | 3143782 | OPT      | 3142073         | 30              | 700 | 3141869       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                    |             |      |             |         |          | -               | 50              |     | 3142026       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                    |             |      |             |         |          | 3142935         | 90              |     | 3124110       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                    |             |      |             |         |          | 3143080         | 170             |     | 3123860       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
| MULTIFLAM 500.1 PR | 1200        | 5000 | TC          | 3143783 | OPT      | 3143105         | 35              | 700 | 3142666       | VGD 40.125 | DN125 | 3142206                 | Filter DN125 |
|                    |             |      |             |         |          | 3142073         | 45              |     | 3141869       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                    |             |      |             |         |          | -               | 75              |     | 3142026       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                    |             |      |             |         |          | 3142935         | 140             |     | 3124110       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                    |             |      |             |         |          | 3143080         | 250             |     | 3123860       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |
|                    |             |      | TL          | 3143784 | OPT      | 3143105         | 35              | 700 | 3142666       | VGD 40.125 | DN125 | 3142206                 | Filter DN125 |
|                    |             |      |             |         |          | 3142073         | 45              |     | 3141869       | VGD 40.100 | DN100 | 3142205                 | Filter DN100 |
|                    |             |      |             |         |          | -               | 75              |     | 3142026       | VGD 40.080 | DN80  | 3142088                 | Filter DN80  |
|                    |             |      |             |         |          | 3142935         | 140             |     | 3124110       | VGD 40.065 | DN65  | 3124111                 | Filter DN65  |
|                    |             |      |             |         |          | 3143080         | 250             |     | 3123860       | VGD 20.503 | 2"    | 3121384                 | Filter 2"    |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from MULTIFLAM 300.1 change spring and damping (see pag. 49)

|                     |      |       |    |         |     |         |     |     |         |            |       |         |              |
|---------------------|------|-------|----|---------|-----|---------|-----|-----|---------|------------|-------|---------|--------------|
| MULTIFLAM 600.1 PR  | 1500 | 5800  | TC | 3143785 | OPT | 3143105 | 50  | 700 | 3142666 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |       |    |         |     | 3142073 | 60  |     | 3141869 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |       |    |         |     | -       | 100 |     | 3142026 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |       |    |         |     | 3142935 | 180 |     | 3124110 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
|                     |      |       |    |         |     | 3143080 | 340 |     | 3123860 | VDG 20.503 | 2"    | 3121384 | Filter 2"    |
|                     |      |       | TL | 3143786 | OPT | 3143105 | 50  | 700 | 3142666 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |       |    |         |     | 3142073 | 60  |     | 3141869 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |       |    |         |     | -       | 100 |     | 3142026 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |       |    |         |     | 3142935 | 180 |     | 3124110 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
|                     |      |       |    |         |     | 3143080 | 340 |     | 3123860 | VDG 20.503 | 2"    | 3121384 | Filter 2"    |
| MULTIFLAM 700.1 PR  | 1500 | 7500  | TC | -       | OPT | 3143105 | 60  | 700 | 3142666 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |       |    |         |     | 3142073 | 75  |     | 3141869 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |       |    |         |     | -       | 140 |     | 3142026 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |       |    |         |     | 3142935 | 280 |     | 3124110 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
| MULTIFLAM 800.1 PR  | 2000 | 8500  | TC | -       | OPT | 3143105 | 85  | 700 | 3142666 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |       |    |         |     | 3142073 | 110 |     | 3141869 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |       |    |         |     | -       | 210 |     | 3142026 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |       |    |         |     | 3142935 | 410 |     | 3124110 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
| MULTIFLAM 1000.1 PR | 2500 | 10500 | TC | -       | OPT | 3143105 | 115 | 700 | 3142666 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |       |    |         |     | 3142073 | 165 |     | 3141869 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |       |    |         |     | -       | 290 |     | 3142026 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
|                     |      |       |    |         |     | 3142935 | 550 |     | 3124110 | VDG 40.065 | DN65  | 3124111 | Filter DN65  |
| MULTIFLAM 1200.1 PR | 2700 | 13000 | TC | -       | OPT | on req. | 160 | 700 | on req. | VDG 40.150 | DN150 | on req. | Filter DN150 |
|                     |      |       |    |         |     | 3143105 | 175 |     | 3142666 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |       |    |         |     | 3142073 | 230 |     | 3141869 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |       |    |         |     | -       | 420 |     | 3142026 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
| MULTIFLAM 1500.1 PR | 3690 | 15000 | TC | -       | OPT | on req. | 125 | 700 | on req. | VDG 40.150 | DN150 | on req. | Filter DN150 |
|                     |      |       |    |         |     | 3143105 | 150 |     | 3142666 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |       |    |         |     | 3142073 | 230 |     | 3141869 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |
|                     |      |       |    |         |     | -       | 450 |     | 3142026 | VDG 40.080 | DN80  | 3142088 | Filter DN80  |
| MULTIFLAM 1800.1 PR | 4000 | 17000 | TC | -       | OPT | on req. | 175 | 700 | on req. | VDG 40.150 | DN150 | on req. | Filter DN150 |
|                     |      |       |    |         |     | 3143105 | 210 |     | 3142666 | VDG 40.125 | DN125 | 3142206 | Filter DN125 |
|                     |      |       |    |         |     | 3142073 | 330 |     | 3141869 | VDG 40.100 | DN100 | 3142205 | Filter DN100 |

§ VGD Siemens: default blank spring, head pressure 0...22 mbar; from MULTIFLAM 300.1 change spring and damping (see pag. 49)

## NOZZLES

| Oil Nozzles for modulating burner                       | delivery (kg/h)                                                |
|---------------------------------------------------------|----------------------------------------------------------------|
| For burner Multicalor/Multiflam/Maior from 200 to 1200  | 100-150-200-250-300-350-400-450-500-600-700-800-900-1000-1100* |
| For burner Multicalor/Multiflam/Maior from 1800 to 2300 | 1100-1200-1300-1400-1500-1600-1800-2000*                       |

\*other deliveries available on request

Terminal Block with burner controller in a separate box

**Natural gas - class 2**

| model                   | code       |
|-------------------------|------------|
| BLU TS 1000.1 PAB TC HT | 3143196    |
| BLU TS 1000.1 PR TC HT  | on request |
| BLU TS 2000.1 PAB TC HT | 3143212    |
| BLU TS 2000.1 PR TC HT  | 3143197    |
| BLU TS 3000.1 PR TC HT  | 3143084    |
| BLU TS 4000.1 PR TC HT  | 3143198    |
| BLU TS 6000.1 PR TCHT   | 3143213    |
| BLU TS 8000.1 PR TC HT  | 3143412    |
| BLU TS 10000.1 PR TC HT | 3143188    |
| BLU TS 12000.1 PR TC HT | on request |
| BLU TS 18000.1 PR TC HT | 3141826    |
| BLU TS 23000.1 PR TC HT | on request |
| BLU TS 34000.1 PR TC HT | on request |

**Light oil**

| model                                     | code       |
|-------------------------------------------|------------|
| Oil pump on board                         |            |
| MAIOR TS 200.1 AB TC HT                   | 3143071    |
| MAIOR TS 200.1 PR TC HT                   | 3143214    |
| MAIOR TS 300.1 PR TC HT                   | on request |
| MAIOR TS 400.1 PR TC HT                   | 3143123    |
| MAIOR TS 600.1 PR TC HT                   | 3144402    |
| Separated oil pumping unit (not included) |            |
| MAIOR TS 800.1 PR TC HT                   | on request |
| MAIOR TS 1000.1 PR TC HT                  | on request |
| MAIOR TS 1200.1 PR TC HT                  | on request |
| MAIOR TS 1800.1 PR TC HT                  | on request |
| MAIOR TS 2300.1 PR TC HT                  | on request |
| MAIOR TS 3400.1 PR TC HT                  | on request |

**Dual fuel (natural gas/light oil)**

| model                                     | code       |
|-------------------------------------------|------------|
| Oil pump on board                         |            |
| MULTICALOR TS 100 PAB TC HT               | 3143215    |
| MULTICALOR TS 140 PAB TC HT               | 3141820    |
| MULTICALOR TS 200.1 PAB TC HT             | 3143216    |
| MULTICALOR TS 200.1 PR TC HT              | 3143189    |
| MULTICALOR TS 300.1 PR TC HT              | 3141812    |
| MULTICALOR TS 400.1 PR TC HT              | 3143201    |
| MULTICALOR TS 600.1 PR TC HT              | 3142909    |
| Separated oil pumping unit (not included) |            |
| MULTICALOR TS 800.1 PR TC HT              | on request |
| MULTICALOR TS 1000.1 PR TC HT             | on request |
| MULTICALOR TS 1200.1 PR TC HT             | on request |
| MULTICALOR TS 1800.1 PR TC HT             | on request |
| MULTICALOR TS 2300.1 PR TC HT             | on request |
| MULTICALOR TS 3400.1 PR TC HT             | on request |

**ELECTRONIC VERSIONS**

Terminal Block with burner controller in a separate box

**Natural gas - class 2**

| model                    | code       |
|--------------------------|------------|
| BLU TS 1000.1 PRE TC HT  | on request |
| BLU TS 2000.1 PRE TC HT  | on request |
| BLU TS 3000.1 PRE TC HT  | on request |
| BLU TS 4000.1 PRE TC HT  | on request |
| BLU TS 6000.1 PRE TC HT  | on request |
| BLU TS 8000.1 PRE TC HT  | on request |
| BLU TS 10000.1 PRE TC HT | on request |
| BLU TS 12000.1 PRE TC HT | on request |
| BLU TS 18000.1 PRE TC HT | on request |
| BLU TS 23000.1 PRE TC HT | on request |
| BLU TS 34000.1 PRE TC HT | on request |

**Light oil**

| model                                     | code       |
|-------------------------------------------|------------|
| Oil pump on board                         |            |
| MAIOR TS 200.1 PRE TC HT                  | on request |
| MAIOR TS 300.1 PRE TC HT                  | on request |
| MAIOR TS 400.1 PRE TC HT                  | on request |
| MAIOR TS 600.1 PRE TC HT                  | on request |
| Separated oil pumping unit (not included) |            |
| MAIOR TS 800.1 PRE TC HT                  | on request |
| MAIOR TS 1000.1 PRE TC HT                 | on request |
| MAIOR TS 1200.1 PRE TC HT                 | on request |
| MAIOR TS 1800.1 PRE TC HT                 | on request |
| MAIOR TS 2300.1 PRE TC HT                 | on request |
| MAIOR TS 3400.1 PRE TC HT                 | on request |

**Dual fuel (natural gas/light oil)**

| model                                     | code       |
|-------------------------------------------|------------|
| Oil pump on board                         |            |
| MULTICALOR TS 200.1 PRE TC HT             | on request |
| MULTICALOR TS 300.1 PRE TC HT             | on request |
| MULTICALOR TS 400.1 PRE TC HT             | on request |
| MULTICALOR TS 600.1 PRE TC HT             | on request |
| Separated oil pumping unit (not included) |            |
| MULTICALOR TS 800.1 PRE TC HT             | on request |
| MULTICALOR TS 1000.1 PRE TC HT            | on request |
| MULTICALOR TS 1200.1 PRE TC HT            | on request |
| MULTICALOR TS 1800.1 PRE TC HT            | on request |
| MULTICALOR TS 2300.1 PRE TC HT            | on request |
| MULTICALOR TS 3400.1 PRE TC HT            | on request |

**Burner accessories**

| Oil Nozzles for modulating burner                       | delivery (kg/h)                                                |
|---------------------------------------------------------|----------------------------------------------------------------|
| For burner Multicalor/Multiflam/Maior from 200 to 1200  | 100-150-200-250-300-350-400-450-500-600-700-800-900-1000-1100* |
| For burner Multicalor/Multiflam/Maior from 1800 to 2300 | 1100-1200-1300-1400-1500-1600-1800-2000*                       |

\*other deliveries available on request

| Oil Separate Pumping Unit |
|---------------------------|
| Pumping unit 800          |
| Pumping unit 1000         |
| Pumping unit 1800         |
| Pumping unit 2300         |

## GAS TRAINS: MAX GAS

| Configuration                                                                                                                                                                                                                                                                                                                                                                       | MB-DLE MultiBloc Dungs MAX GAS 40-250          | Ø              | Code    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------|----------------|---------|
| <b>EN676</b><br><br>MultiBloc Dungs: compact double solenoid valve with integrated filter, regulator and min pressure switch.<br><br><b>WARNING:</b><br>EN676 compulsory kit and accessories in order to comply to the safety regulations. Additional accessories and kits shall be installed by the installer in accordance to the local safety regulations and codes of practise. | GT-D1-MBC65DLE-RP15-MAXGAS40-120               | RP 15 - 1/2"   | 3141885 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D1-MBC120DLE-RP20-MAXGAS40-120              | RP 20 - 3/4"   | 3141886 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D1-MBDLE403-RP15-MAXGAS40-120               | RP 15 - 1/2"   | 3123944 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D1-MBDLE405-RP20-MAXGAS40-120               | RP 20 - 3/4"   | 3123560 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D1-MBDLE407-RP20-MAXGAS170-250              | RP 20 - 3/4"   | 3123525 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D1-MBDLE410-RP25-MAXGAS170-250              | RP 25 - 1"     | 3123947 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D1-MBDLE412-RP32-MAXGAS170-250              | RP 32 - 1" 1/4 | 3141899 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D1-MBDLE415-RP40-MAXGAS170-250              | RP 40 - 1" 1/2 | 3123969 |
|                                                                                                                                                                                                                                                                                                                                                                                     | <b>MB-ZRDLE MultiBloc Dungs MAX GAS 40-250</b> | Ø              | Code    |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D2-MBZRDLE405-RP20-MAXGAS40-120             | RP 20 - 3/4"   | 3123960 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D2-MBZRDLE407-RP20-MAXGAS170-250            | RP 20 - 3/4"   | 3123961 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D2-MBZRDLE410-RP25-MAXGAS170-250            | RP 25 - 1"     | 3123962 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D2-MBZRDLE412-RP32-MAXGAS170-250            | RP 32 - 1" 1/4 | 3141901 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D2-MBZRDLE415-RP40-MAXGAS170-250            | RP 40 - 1" 1/2 | 3123879 |
|                                                                                                                                                                                                                                                                                                                                                                                     | <b>MB-DLE MultiBloc Dungs MAX GAS 350-500</b>  | Ø              | Code    |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D2-MBDLE407-RP20-MAXGAS350-500              | RP 20 - 3/4"   | 3142392 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D2-MBDLE410-RP25-MAXGAS350-500              | RP 25 - 1"     | 3142665 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D2-MBDLE412-RP32-MAXGAS350-500              | RP 32 - 1" 1/4 | 3142295 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-D2-MBDLE415-RP40-MAXGAS350-500              | RP 40 - 1" 1/2 | 3142296 |
| Configuration                                                                                                                                                                                                                                                                                                                                                                       | VCS Kromschröder MAX GAS 170-250               | Ø              | Code    |
| <b>Export EN676 + FGDR</b><br><br>Double solenoid valves VCS Kromschröder and min pressure switch + ACS gas governor & filter                                                                                                                                                                                                                                                       | GT-K1-VCS125-RP25-MAXGAS170-250                | RP 25 - 1"     | 3141906 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-K1-VCS240-RP40-MAXGAS170-250                | RP 40 - 1" 1/2 | 3142251 |
|                                                                                                                                                                                                                                                                                                                                                                                     | <b>VCS Kromschröder MAX GAS 350-500</b>        | Ø              | Code    |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-K2-VCS125-RP25-MAXGAS350-500                | RP 25 - 1"     | 3142374 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-K2-VCS240-RP40-MAXGAS350-500                | RP 40 - 1" 1/2 | 3142375 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-K2-VCS350-RP50-MAXGAS350-500                | RP 50 - 2"     | 3142376 |
| Configuration                                                                                                                                                                                                                                                                                                                                                                       | Export gas trains MAX GAS 40-250               | Ø              | Code    |
| <b>Only Export (not EN676)</b>                                                                                                                                                                                                                                                                                                                                                      | GT-D1-GBLE055-RP15-MAXGAS40-120                | RP 15 - 1/2"   | 3142027 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-B1-E6GSRP-RP15-MAXGAS40-120                 | RP 15 - 1/2"   | 3141888 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-B1-EG12L-RP15-MAXGAS40-120                  | RP 15 - 1/2"   | 3141887 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-K1-VAS125-RP25-MAXGAS170-250                | RP 25 - 1"     | 3142815 |
|                                                                                                                                                                                                                                                                                                                                                                                     | GT-K1-VAS240-RP40-MAXGAS170-250                | RP 40 - 1" 1/2 | 3142816 |



## GAS TRAINS: BLU, MULTICALOR AND MULTIFLAM

| Configuration                                                                                                                                                                                                                                                                          | MB-DLE MultiBloc Dungs              |                              | Ø                            | Code    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------|------------------------------|---------|
| <b>EN676</b><br>MultiBloc Dungs: compact double solenoid valve with integrated filter, regulator and min pressure switch                                                                                                                                                               | GT-D2-MBDLE407-RP20-BLU/MULTI       |                              | RP 20 - 3/4"                 | 3141843 |
|                                                                                                                                                                                                                                                                                        | GT-D2-MBDLE410-RP25-BLU/MULTI       |                              | RP 25 - 1"                   | 3142022 |
|                                                                                                                                                                                                                                                                                        | GT-D2-MBDLE412-RP32-BLU/MULTI       |                              | RP 32 - 1" 1/4               | 3141845 |
|                                                                                                                                                                                                                                                                                        | GT-D2-MBDLE415-RP40-BLU/MULTI       |                              | RP 40 - 1" 1/2               | 3141846 |
|                                                                                                                                                                                                                                                                                        | GT-D2-MBDLE420-RP50-BLU/MULTI       |                              | RP 50 - 2"                   | 3141847 |
| Configuration                                                                                                                                                                                                                                                                          | VCS Kromschröder                    |                              | Ø                            | Code    |
| <b>Export / EN676 + FGDR</b><br>Double solenoid valves VCS Kromschröder and min pressure switch + ACS gas governor & filter                                                                                                                                                            | GT-K2-VCS125-RP25-BLU/MULTI         |                              | RP 25 - 1"                   | 3142024 |
|                                                                                                                                                                                                                                                                                        | GT-K2-VCS240-RP40-BLU/MULTI         |                              | RP 40 - 1" 1/2               | 3142025 |
|                                                                                                                                                                                                                                                                                        | GT-K2-VCS350-RP50-BLU/MULTI         |                              | RP 50 - 2"                   | 3141862 |
| Configuration                                                                                                                                                                                                                                                                          | VGD Siemens                         |                              | Ø                            | Code    |
| <b>Export / EN676 + FGDR</b><br>Double gas valves with actuators and regulator VGD Siemens and min pressure switch + ACS gas filter.<br>Default blank spring: head pressure 0...22 mbar<br><br>WARNING: from BLU 3000.1 - MULTICALOR 300.1 - MULTIFLAM 300.1 change spring and damping | GT-S2-VGD20-RP50-BLU/MULTI          | Gas trains include ACTUATORS | RP 50 - 2"                   | 3123860 |
|                                                                                                                                                                                                                                                                                        | GT-S2-VGD40-DN65-BLU/MULTI          |                              | DN 65 - 2" 1/2               | 3124110 |
|                                                                                                                                                                                                                                                                                        | GT-S2-VGD40-DN80-BLU/MULTI          |                              | DN 80 - 3"                   | 3142026 |
|                                                                                                                                                                                                                                                                                        | GT-S2-VGD40-DN100-BLU/MULTI         |                              | DN 100 - 4"                  | 3141869 |
|                                                                                                                                                                                                                                                                                        | GT-S2-VGD40-DN100+VDK-BLU/MULTI     |                              | DN 100 - 4" + VDK            | 3141871 |
|                                                                                                                                                                                                                                                                                        | GT-S2-VGD40-DN125-BLU/MULTI         |                              | DN 125 - 5"                  | 3142666 |
|                                                                                                                                                                                                                                                                                        | GT-S2-VGD40-DN125+VDK-BLU/MULTI     |                              | DN 125 - 5" + VDK            | 3141872 |
|                                                                                                                                                                                                                                                                                        | Yellow setpoint spring for SKP25... |                              | Head pressure: 15...120 mbar | 3142204 |
|                                                                                                                                                                                                                                                                                        | Damping throttle for SKP25...       |                              |                              | 3142207 |

## GAS TRAINS: ELECTRONIC BURNERS (BLU/MULTICALOR PRE)

| Configuration                                                                                                                                                                                                                                                                       | MB-DLE MultiBloc Dungs              |                              | Ø                            | Code    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------|------------------------------|------------------------------|---------|
| <b>EN676</b><br>MultiBloc Dungs: compact double solenoid valve with integrated filter, regulator and min pressure switch                                                                                                                                                            | GT-D2-MBDLE407-RP20-BLU/MULTI PS2   |                              | RP 20 - 3/4"                 | 3144269 |
|                                                                                                                                                                                                                                                                                     | GT-D2-MBDLE410-RP25-BLU/MULTI PS2   |                              | RP 25 - 1"                   | 3144270 |
|                                                                                                                                                                                                                                                                                     | GT-D2-MBDLE412-RP32-BLU/MULTI PS2   |                              | RP 32 - 1" 1/4               | 3144271 |
|                                                                                                                                                                                                                                                                                     | GT-D2-MBDLE415-RP40-BLU/MULTI PS2   |                              | RP 40 - 1" 1/2               | 3144272 |
|                                                                                                                                                                                                                                                                                     | GT-D2-MBDLE420-RP50-BLU/MULTI PS2   |                              | RP 50 - 2"                   | 3144273 |
| Configuration                                                                                                                                                                                                                                                                       | VCS Kromschröder                    |                              | Ø                            | Code    |
| <b>Export / EN676 + FGDR</b><br>Double solenoid valves VCS Kromschröder and min pressure switch + ACS gas governor & filter                                                                                                                                                         | GT-K2-VCS125-RP25-BLU/MULTI PS2     |                              | RP 25 - 1"                   | 3144274 |
|                                                                                                                                                                                                                                                                                     | GT-K2-VCS240-RP40-BLU/MULTI PS2     |                              | RP 40 - 1" 1/2               | 3144275 |
|                                                                                                                                                                                                                                                                                     | GT-K2-VCS350-RP50-BLU/MULTI PS2     |                              | RP 50 - 2"                   | 3144276 |
| Configuration                                                                                                                                                                                                                                                                       | VGD Siemens                         |                              | Ø                            | Code    |
| <b>Export / EN676 + FGDR</b><br>Double gas valves with actuators and regulator VGD Siemens and min pressure switch + ACS gas filter. Default blank spring: head pressure 0...22 mbar<br><br>WARNING: from BLU 3000.1 - MULTICALOR 300.1 - MULTIFLAM 300.1 change spring and damping | GT-S2-VGD20-RP50-BLU/MULTI PS2      | Gas trains include ACTUATORS | RP 50 - 2"                   | 3144277 |
|                                                                                                                                                                                                                                                                                     | GT-S2-VGD40-DN65-BLU/MULTI PS2      |                              | DN 65 - 2" 1/2               | 3144278 |
|                                                                                                                                                                                                                                                                                     | GT-S2-VGD40-DN80-BLU/MULTI PS2      |                              | DN 80 - 3"                   | 3144279 |
|                                                                                                                                                                                                                                                                                     | GT-S2-VGD40-DN100-BLU/MULTI PS2     |                              | DN 100 - 4"                  | 3144280 |
|                                                                                                                                                                                                                                                                                     | GT-S2-VGD40-DN125-BLU/MULTI PS2     |                              | DN 125 - 5"                  | 3144282 |
|                                                                                                                                                                                                                                                                                     | Yellow setpoint spring for SKP25... |                              | Head pressure: 15...120 mbar | 3142204 |
|                                                                                                                                                                                                                                                                                     | Damping throttle for SKP25...       |                              |                              | 3142207 |

## GAS TRAIN CONNECTION PIPE

| Configuration                                                                                                                                                                                                                     | Description                                          | Designation                 | Code    |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------|-----------------------------|---------|
| <b>WARNING:</b><br>From BLU 1700.1 - MULTICALOR 170.1 - MULTIFLAM 200.1, in order to fit the gas train, the corresponding connection pipe must be ordered (GTCP size and fitting depend on the burner and the gas train selected) | GTCP RP50 DN65 platform 260                          | GTCP-RP50-DN65-260          | 3141842 |
|                                                                                                                                                                                                                                   | GTCP RP50 platform 280                               | GTCP-RP50-280               | 3142074 |
|                                                                                                                                                                                                                                   | GTCP RP50 platform 280/320/380                       | GTCP-RP50-320/380           | 3142075 |
|                                                                                                                                                                                                                                   | GTCP RP50 BLU 1500 with MB415-420                    | GTCP-RP50-BLU1500-MB415-420 | 3142076 |
|                                                                                                                                                                                                                                   | GTCP RP50 adaptor MULTIFLAM                          | GTCP-RP50-ADAPTOR-MULTIFLAM | 3143080 |
|                                                                                                                                                                                                                                   | GTCP DN65 platform 260/280/320                       | GTCP-DN65-260/280/320       | 3142197 |
|                                                                                                                                                                                                                                   | GTCP DN80 platform 260/280/320 *                     | GTCP-DN80-260/280/320       | 3142069 |
|                                                                                                                                                                                                                                   | GTCP DN65 platform 380                               | GTCP-DN65-380               | 3142071 |
|                                                                                                                                                                                                                                   | GTCP DN80 platform 380 *                             | GTCP-DN80-380               | 3142070 |
|                                                                                                                                                                                                                                   | GTCP reducer from DN80 to DN65 MULTIFLAM             | GTCP-REDUCERDN80TODN65      | 3142935 |
|                                                                                                                                                                                                                                   | GTCP reducer from DN100 to DN80 platform 320/380 (*) | GTCP-REDUCERDN100TODN80     | 3142073 |
|                                                                                                                                                                                                                                   | GTCP reducer from DN125 to DN80 platform 320/380 (*) | GTCP-REDUCERDN125TODN80     | 3143105 |
|                                                                                                                                                                                                                                   | GTCP DN125 platform 380                              | GTCP-DN125-380              | 3142198 |
|                                                                                                                                                                                                                                   | GTCP DN65 platform 630                               | GTCP-DN65-630               | 3142423 |
|                                                                                                                                                                                                                                   | GTCP DN80 platform 630/710                           | GTCP-DN80-630/710           | 3142424 |
|                                                                                                                                                                                                                                   | GTCP DN100 platform 630/710                          | GTCP-DN100-630/710          | 3142422 |
|                                                                                                                                                                                                                                   | GTCP DN125 platform 630/710                          | GTCP-DN125-630/710          | 3142422 |
|                                                                                                                                                                                                                                   | GTCP reducer from DN125 to DN100                     | GTCP-REDUCERDN125TODN100    | 3142425 |

Both codes necessary for  
gas train DN125

## KIT AND ACCESSORIES FOR GAS

| GAS GOVERNOR AND FILTER FGDR |                                                                     | Max gas pressure | Code       |
|------------------------------|---------------------------------------------------------------------|------------------|------------|
| RP 15 - 1/2" *               | * Default spring is neutral<br>for outlet pressure range 10-30 mbar | 500 mbar         | 3142519    |
| RP 20 - 3/4" *               |                                                                     | 500 mbar         | 3142520    |
| RP 25 - 1" *                 |                                                                     | 500 mbar         | 3142521    |
| RP 32 - 1" 1/4 *             |                                                                     | 500 mbar         | 3142522    |
| RP 40 - 1" 1/2 *             |                                                                     | 500 mbar         | 3142523    |
| RP 50 - 2" *                 |                                                                     | 500 mbar         | 3142524    |
| FS1B RP50 - 2"               |                                                                     | 1 bar            | 3142051    |
| FS1B DN 65 - 2" 1/2          |                                                                     | 1 bar            | 3141983    |
| FS1B DN 80 - 3"              |                                                                     | 1 bar            | 3142538    |
| FS1B DN 100 - 4"             |                                                                     | 1 bar            | on request |
| FS1B DN 125 - 5"             |                                                                     | 1 bar            | on request |

| SPRING FOR GAS GOVERNOR AND FILTER FGDR | Gas pressure range | Code    |
|-----------------------------------------|--------------------|---------|
| Green spring FGDR 15-20-25              | 5÷15 mbar          | 3142547 |
| Neutral spring FGDR 15-20-25            | 10÷30 mbar         | 3142548 |
| Violet spring FGDR 15-20-25             | 25÷80 mbar         | 3142549 |
| Brown spring FGDR 15-20-25              | 70÷160 mbar        | 3142550 |
| Blue spring FGDR 15-20-25               | 150÷280 mbar       | 3142551 |
| White spring FGDR 15-20-25              | 270÷350 mbar       | 3142552 |
| Green spring FGDR 32-40                 | 5÷15 mbar          | 3142553 |
| Neutral spring FGDR 32-40               | 10÷25 mbar         | 3142554 |
| Violet spring FGDR 32-40                | 20÷70 mbar         | 3142555 |
| Brown spring FGDR 32-40                 | 65÷130 mbar        | 3142556 |
| White spring FGDR 32-40                 | 120÷250 mbar       | 3142557 |
| Black spring FGDR 32-40                 | 240÷350 mbar       | 3142558 |
| Green spring FGDR 50                    | 5÷15 mbar          | 3142559 |
| Neutral spring FGDR 50                  | 10÷35 mbar         | 3142560 |
| Violet spring FGDR 50                   | 30÷80 mbar         | 3142561 |
| Brown spring FGDR 50                    | 70÷220 mbar        | 3142562 |
| Blue spring FGDR 50                     | 210÷350 mbar       | 3142563 |
| Red spring FS1B DN 65-80                | 25-80 mbar         | 3144252 |
| Violet spring FS1B DN 65-80             | 60-120 mbar        | 3144253 |
| Blue spring FS1B DN 65-80               | 100-220 mbar       | 3144254 |
| White spring FS1B DN 65-80              | 200-450 mbar       | 3144255 |
| Red spring ST1B DN 100                  | 30-70 mbar         | 3144256 |
| Violet spring ST1B DN 100               | 60-110 mbar        | 3144257 |
| Brown spring ST1B DN 100                | 100-210 mbar       | 3144258 |
| White spring ST1B DN 100                | 200-450 mbar       | 3144060 |

## GAS TRAINS, KITS AND ACCESSORIES

| GAS FILTER     | Code    |
|----------------|---------|
| RP 15 - 1/2"   | 3141957 |
| RP 20 - 3/4"   | 3142045 |
| RP 25 - 1"     | 3142046 |
| RP 40 - 1" 1/2 | 3141954 |
| RP 50 - 2"     | 3121384 |
| DN 65 - 2" 1/2 | 3124111 |
| DN 80 - 3"     | 3142088 |
| DN 100 - 4"    | 3142205 |
| DN 125 - 5"    | 3142206 |

| ANTIVIBRATION COUPLING | Code    |
|------------------------|---------|
| RP 15 - 1/2"           | 3122321 |
| RP 20 - 3/4"           | 3122322 |
| RP 25 - 1"             | 3122323 |
| RP 32 - 1" 1/4         | 3122324 |
| RP 40 - 1" 1/2         | 3122325 |
| RP 50 - 2"             | 3122326 |
| DN 65 - 2" 1/2         | 3142060 |
| DN 80 - 3"             | 3122328 |
| DN 100 - 4"            | 3122329 |
| DN 125 - 5"            | 3142061 |

| MANUAL VALVE   | Code    |
|----------------|---------|
| RP 15 - 1/2"   | 3142000 |
| RP 20 - 3/4"   | 3142254 |
| RP 25 - 1"     | 3121430 |
| RP 32 - 1" 1/4 | 3142253 |
| RP 40 - 1" 1/2 | 3142101 |
| RP 50 - 2"     | 3142102 |
| DN 65 - 2" 1/2 | 3142062 |
| DN 80 - 3"     | 3143730 |
| DN 100 - 4"    | 3141997 |
| DN 125 - 5"    | 3141998 |

## GAS TRAINS, KITS AND ACCESSORIES

| TIGHTNESS CONTROL                                          | Designation                   | Code    |
|------------------------------------------------------------|-------------------------------|---------|
| Kit tightness control VPS504 for VCS gas valve             | KITTC-VPS504-VCS              | 3141929 |
| Kit tightness control VPS504 LPG for VCS gas valve         | KITTC-LPGVPS504-VCS           | 3142238 |
| Kit tightness control VPS504 for MB and VGD65-80 valve     | KITTC-VPS504-MB-VGDDN65-80    | 3122303 |
| Kit tightness control VPS504 LPG for MB and VGD65-80 valve | KITTC-LPGVPS504-MB-VGDDN65-80 | 3142190 |
| Kit tightness control VPS504 for VGD20503 valve            | KITTC-VPS504-VGD20503         | 3122305 |
| Kit tightness control VPS504 LPG for VGD20503 valve        | KITTC-LPGVPS504-VGD20503      | 3142688 |
| Kit tightness control VDK for VGD100-125                   | KITTC-VDK200                  | 3141922 |
| Kit tightness control LDU                                  | KITTC-LDU11                   | 3142314 |
| Kit adaptor for kit VPS pilot gas train                    |                               | 3142754 |

| MAXIMUM GAS PRESSURE SWITCH | Output range  | Gas pressure | Code    |
|-----------------------------|---------------|--------------|---------|
| KITPRES50                   | 100÷5800 kW   | 2,5÷50 mbar  | 3141921 |
| KITPRES150                  | 7000÷25000 kW | 30÷150 mbar  | 3142033 |

| MANOMETER + PUSH BUTTON | Ø                  | Code    |
|-------------------------|--------------------|---------|
| Gas manometer           | 0...60 mbar 1/2"   | 3142056 |
| Gas manometer           | 0...250 mbar 1/4"  | 3142055 |
| Gas manometer           | 0...1000 mbar 1/4" | 3142054 |
| Push button 1/4"        | Diameter 1/4"      | 3142058 |
| Push button 1/2"        | Diameter 1/2"      | 3142057 |

| KIT LPG                    | Burner                   | Code    |
|----------------------------|--------------------------|---------|
| KITLPG-MAXGAS40-120        | MAX GAS 40-120           | 3122301 |
| KITADAPTOR-MAXGAS40-120    | MAX GAS 40-120           | 3122299 |
| KITLPG-MAXGAS170-250       | MAX GAS 170-250          | 3122302 |
| KITADAPTOR-MAXGAS170-250   | MAX GAS 170-250          | 3122300 |
| KITLPG-MAXGAS350-500       | MAX GAS 350-500          | 3142431 |
| KITLPG-BLU500.1            | BLU 500.1                | 3124487 |
| KITLPG-BLU700.1            | BLU 700.1                | 3124488 |
| KITLPG-BLU1000.1-1500.1    | BLU 1000.1-1200.1-1500.1 | 3124489 |
| KITLPG-BLU1700.1-2000.1    | BLU 1700.1-2000.1        | 3142667 |
| Other model kit on request |                          |         |

| SWIRL SYSTEM                                                                                                              |                                          | Code       |
|---------------------------------------------------------------------------------------------------------------------------|------------------------------------------|------------|
| Swirls for head that can reduce flame lenght up to 10-50% depending on fuel, backpressure and shape of combustion chamber | Available for different fuel burner head | on request |

## GAS TRAINS, KITS AND ACCESSORIES

### KIT AND ACCESSORIES FOR OIL

| KIT FOR AUTOMATIC FUEL SWITCH GAS/OIL FOR DUAL FUEL BURNERS                                                                                                      |                        | Code    |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------|---------|
| KIT-AUTOMATICFUELSWITCH-MULTI                                                                                                                                    | MULTICALOR - MULTIFLAM | 3142021 |
| Standard version running on manual fuel selection mode and with the automatic changeover the system change fuel triggered by a gas pressure switch or by a timer |                        |         |

| KIT BIODIESEL             | Description                 | Code    |
|---------------------------|-----------------------------|---------|
| KITBIODIESEL-PUMP-AS47    | MAX 1-30 and MAX P 25 AB HS | 3141917 |
| KITBIODIESEL-PUMP-AT2/AT3 | MAX P 12-15 AB HS           | 3124103 |

| MAGNETIC + SELF-CLEANING FILTER           | Description   | Code    |
|-------------------------------------------|---------------|---------|
| KITOIL50KG-MAGNETIC+SELF-CLEANING-Filter  | MAXFLAM RANGE | 3142092 |
| KITOIL250KG-MAGNETIC+SELF-CLEANING-Filter | OILFLAM RANGE | 3141965 |

| KIT WIELAND PLUGS          | Description            | Code    |
|----------------------------|------------------------|---------|
| KITWP-MAIOR35-300.1PAB     | MAIOR 45 - 300.1       | 3142037 |
| KITWP-BLU500.1-2000.1PAB   | BLU 500.1 - 2000.1 PAB | 3142034 |
| KITWP-BLU/MULTICALOR-PR/MD | BLU - MULTICALOR PR/MD | 3141932 |

| SEPARATE PRE-HEATER UNIT                                                 | Code       |
|--------------------------------------------------------------------------|------------|
| From OILFLAM 300.1 pre-heater can be supplied separately with extra cost | on request |

| LIGHT OIL PUMPING UNIT                | Code       |
|---------------------------------------|------------|
| Separate service tanks and pump units | on request |

| HEAVY OIL HEATING AND PUMPING UNIT                                                      | Code       |
|-----------------------------------------------------------------------------------------|------------|
| "OIL RING" can be design and delivered assembled on skid or offered as single component | on request |

### DIAGNOSTIC TOOLS FOR THERMOWATT CONTROL

| Description                           | Code    |
|---------------------------------------|---------|
| E-BCU Diagnostic tool for 1 stage BCU | 3142931 |
| PC interface for BCU                  | 3833018 |

## LOAD CONTROLLER - PROBE

| MODULATING PID CONTROLLER - KIT FOR PROGRESSIVE VERSION | Designation                             | Code    |
|---------------------------------------------------------|-----------------------------------------|---------|
| Kit for progressive version                             | KITMD-RWF50                             | 3143713 |
| Kit for progressive version                             | only for MAX GAS 350/500 PR TW          | 3143922 |
| Kit for progressive version                             | only for MULTICALOR 45-70-100-140 PR-AB | 3144025 |
| Kit for progressive version                             | KITMD-RWF55                             | 3143714 |

| MATCHING PROBE FOR FULL MD VERSION     | Designation             | Code    |
|----------------------------------------|-------------------------|---------|
| Water probe up to 0÷130 °C             | PROBE-WATER130C         | 3122316 |
| Steam probe 0÷2 bar                    | PROBE-STEAM2BAR         | 3124100 |
| Steam probe 0÷4 bar                    | PROBE-STEAM4BAR         | 3122317 |
| Steam probe 0÷10 bar                   | PROBE-STEAM10BAR        | 3122318 |
| Steam probe 0÷16 bar                   | PROBE-STEAM16BAR        | 3122319 |
| Steam probe 0÷40 bar                   | PROBE-STEAM40BAR        | 3122320 |
| External probe from -35 ° up to 50 °C  | PROBE-EXTERNAL50C       | 3122315 |
| Hot air or liquid probe up to 0÷450 °C | PROBE-HOTAIR-LIQUID450C | 3122314 |

## SILENCER

| Platform                                        | Gas                                                            | Light oil             | Heavy oil               | Gas/light oil              | Gas/heavy oil             | Code    |
|-------------------------------------------------|----------------------------------------------------------------|-----------------------|-------------------------|----------------------------|---------------------------|---------|
| KITSIL-260                                      | BLU 700.1 - 1200.1                                             | MAIOR 45 - 120        | OILFLAM 50.1 - 120.1    | MULTICALOR 45 - 140        | MULTIFLAM 50.1 - 120.1    | 3141911 |
| KITSIL-280                                      | BLU 1500.1 - 2000.1                                            | MAIOR 150.1 - 200.1   | OILFLAM 170.1 - 200.1   | MULTICALOR 170.1 - 200.1   | MULTIFLAM 170.1 - 200.1   | 3122298 |
| KITSIL-320                                      | BLU 3000.1 - 4000.1                                            | MAIOR 300.1 - 400.1   | OILFLAM 300.1 - 400.1   | MULTICALOR 300.1 - 400.1   | MULTIFLAM 300.1 - 400.1   | 3141913 |
| KITSIL-380                                      | BLU 5000.1 - 6000.1                                            | MAIOR 500.1 - 600.1   | OILFLAM 500.1 - 600.1   | MULTICALOR 500.1 - 600.1   | MULTIFLAM 500.1 - 600.1   | 3141914 |
| KITSIL-630                                      | BLU 7000.1 - 12000.1                                           | MAIOR 700.1 - 1200.1  | OILFLAM 700.1 - 1200.1  | MULTICALOR 700.1 - 1200.1  | MULTIFLAM 700.1 - 1200.1  | 3142276 |
| KITSIL-710                                      | BLU 15000.1 - 18000.1                                          | MAIOR 1500.1 - 1800.1 | OILFLAM 1500.1 - 1800.1 | MULTICALOR 1500.1 - 1800.1 | MULTIFLAM 1500.1 - 1800.1 | 3142668 |
| DUOBLOCK                                        | Separate ventilator silencer / Sound proof platform on request |                       |                         |                            |                           |         |
| ACS available starting from 2 MW = Platform 280 |                                                                |                       |                         |                            |                           |         |



## GUIDE FOR ELECTRONIC OPTIONS

| Desired option /<br>Burners with BT300 control | LEM/LCM module<br>variant | FC preparation<br>variant (include<br>VSM module) | Frequency converter<br>KIT | O <sub>2</sub> KIT | O <sub>2</sub> + CO KIT | PID load controller<br>KIT | Probes | ModBUS/ProfiBUS<br>KITs |
|------------------------------------------------|---------------------------|---------------------------------------------------|----------------------------|--------------------|-------------------------|----------------------------|--------|-------------------------|
| Power modulation with PID                      |                           |                                                   |                            |                    |                         | •                          | •      |                         |
| Frequency converter (external)                 | •                         | •                                                 | •                          |                    |                         |                            |        |                         |
| O <sub>2</sub> control                         | •                         |                                                   |                            | •                  |                         |                            |        |                         |
| O <sub>2</sub> +CO control                     | •                         |                                                   |                            |                    | •                       |                            |        |                         |
| BUS communication                              | •                         |                                                   |                            |                    |                         |                            |        | •                       |

NOTE: dual fuel burners include LEM/LCM module.

## OPTIONS FOR ELECTRONIC BURNERS (BLU/MULTICALOR PRE)

### BURNER VARIANTS (options already mounted in factory)

| LEM/LCM MODULE (for communication, O <sub>2</sub> control, frequency converter)                                                                                                    | Code       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Module mounted in factory, requested for O <sub>2</sub> control, Variatron and communication buses connections<br>(note: only one LEM/LCM module is necessary for these 3 options) | on request |

### FREQUENCY CONVERTER ARRANGEMENT

|                                                                                                                                                                                                                                                                                                                                 | Code       |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------|
| Burner prepared to be connected to an external frequency converter; this variant includes the VSM module to control the frequency converter<br>Warning: LEM/LCM module is requested and must be order separately (this variant does not include the module).<br>For frequency converter models selection see dedicated section. | on request |

### KITS (delivered separately)

| O <sub>2</sub> /CO REGULATION                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   | Code                                               |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------|
| Device for adjustment of the combustion air excess in order to compensate any variations in the calorific value of the fuel, in the temperature and in the pressure of the combustion air. The regulator is installed in a dedicated electrical panel separate from the burner near the probe that measures the level of oxygen in the fumes. The calibration of the probe does not require a reference gas, the correction curve is defined in the dedicated equipment for acquisition and processing of signals and then sent to the control unit BT3xx via the external module LEM.<br>The correction of the air excess value is carried out on the position of the air damper and the fan speed controller ensuring a high and constant thermal efficiency during the whole heating season. The value of air excess is immediately displayed on the screen as a percentage. |                                                    |
| Kit for O <sub>2</sub> and CO control (delivered separately)<br>Warning: LEM/LCM module is requested.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                           | Kit O <sub>2</sub> LT2/LS2 / 300 mm<br>3751129     |
|                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 | Kit O <sub>2</sub> /CO LT2/KS1 / 300 mm<br>3751128 |

| REMOTE SOFTWARE                                                 |                           | Code    |
|-----------------------------------------------------------------|---------------------------|---------|
| Kit to connect a PC laptop to the BT300 for its parametrization | LSA100 + USB/CAN + CD-Rom | 3751130 |

| COMMUNICATION MODULES            |              | Code                 |
|----------------------------------|--------------|----------------------|
| Module for external installation | ModBus/BT3   | available on request |
|                                  | ProfiBus/BT3 | available on request |
|                                  | Ethernet/BT3 | in progress          |

| FREQUENCY CONVERTER: VARIATRON (external installation) |  | Code       |
|--------------------------------------------------------|--|------------|
| Frequency converter IP 54                              |  |            |
| 3 kW                                                   |  | on request |
| 4 kW                                                   |  | on request |
| 5,5 kW                                                 |  | on request |
| 7,5 kW                                                 |  | on request |
| 11 kW                                                  |  | on request |
| 15 kW                                                  |  | on request |
| 18,5 kW                                                |  | on request |
| 22 kW                                                  |  | on request |
| 30 kW                                                  |  | on request |
| 37 kW                                                  |  | on request |
| 45 kW                                                  |  | on request |
| 55 kW                                                  |  | on request |
| Frequency converter IP 20                              |  |            |
| 3 kW                                                   |  | on request |
| 4 kW                                                   |  | on request |
| 5,5 kW                                                 |  | on request |
| 7,5 kW                                                 |  | on request |
| 11 kW                                                  |  | on request |
| 15 kW                                                  |  | on request |
| 18,5 kW                                                |  | on request |
| 22 kW                                                  |  | on request |
| 30 kW                                                  |  | on request |
| 37 kW                                                  |  | on request |
| 45 kW                                                  |  | on request |
| 55 kW                                                  |  | on request |

BURNER SELECTION FORM

SECTION 1 - GENERAL INFORMATION

CUSTOMER - COUNTRY

REFERENCE SALES PERSON

REQUEST DATE

INSTALLATION LOCATION

SEGMENT

heating

heating OEM

bakery

dryers

projects

other industry

SECTION 2 - BOILER INFORMATION

BOILER TYPE

three pass boiler

reverse flame boiler

water tube boiler

diathermic boiler

Boiler brand

Boiler model

Boiler manuf. year

APPLICATION TYPE

incinerator

dryer / hot air generator

oven

HEAT TRANSFER MEDIUM

steam (saturated)

steam (superheated)

hot water

salt / oil

others

STEAM

OTHER

Steam capacity

Required steam pressure

Steam temperature

Medium temperature

Medium inlet temperature

[TPH]

bar

[°C]

[°C]

[°C]

POWER REQUIREMENT

Boiler Output

Boiler Input

Boiler efficiency

Burner power

[kW]

[kW]

[%]

[kW]

1 kW = 860 kcal/h

BOILER LOCATION

outdoor

indoor

HEIGHT ABOVE SEA LEVEL [m]

FURNACE CHAMBER DATA

Backpressure

Furnace position

Required blast tube Length

[mbar]

horizontal

top-down

bottom-up

min [mm]

max [mm]

DIMENSIONS [mm]

Inner diameter

Length

Return chamber length

Length

Height

Width

ELECTRICAL SUPPLY DATA

Voltage single phase

Voltage three phase

Frequency

Required IP factor

110 V

220 V

230 V

240 V

400 V

415 V

440 V

460 V

480 V

50 Hz

60 Hz

IP40

IP54

other:

SECTION 3 - FUEL INFORMATION

LIGHT OIL - HEAVY OIL

GAS / LPG

BIOGAS-TOWNGAS (Max H<sub>2</sub>S<0.1%)

Type: .....

Type: .....

Type: .....

Lower calorific value

Viscosity at 50 °C

Required flowrate

[kcal/kg]

[°E]

[kg/h]

Lower calorific value

Supply pressure

Required flowrate

[kcal/m³]

[mbar]

[m³/h]

Lower calorific value

Supply pressure

Required flowrate

[kcal/m³]

[mbar]

[m³/h]

## BURNER SELECTION FORM

## SECTION 4 - BURNER

|                                |  |                                                                                                                                   |  |                                                                                                                                                    |  |                                                                                                                                                                                                                      |  |             |  |
|--------------------------------|--|-----------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------|--|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--|-------------|--|
| BURNER TYPE                    |  | <div></div> <div>Monoblock</div> <div></div> <div>Duoblock</div>                                                                  |  | Combustion air temperature<br>Heat exchanger pressure losses<br>Current fan (if existing):<br>flowrate:<br>pressure:                               |  | <div></div> <div></div> <div></div> <div></div> <div></div> <div></div> <div>[ °C] (Max 200 ° C)</div> <div>[mbar]</div> <div>[m³/h]</div> <div>[mbar]</div>                                                         |  |             |  |
| BURNER POWER                   |  | refer to the field "burner power" in the section "power requirement"                                                              |  |                                                                                                                                                    |  |                                                                                                                                                                                                                      |  |             |  |
| NOMINAL TURNDOWN RATIO         |  | mechanical:<br>electronic:                                                                                                        |  | 1:3<br>1:6                                                                                                                                         |  | electronic with inverter:<br>electronic with inverter:                                                                                                                                                               |  | 1:8<br>1:10 |  |
| EMISSIONS LEVEL                |  | NOx:<br>CO:                                                                                                                       |  | <div><div>Gas:</div><div>&lt;120 mg/kWh</div><div>EN616</div></div> <div><div>&lt;80 mg/kWh</div><div>Class 3</div><div>0...100 mg/kWh</div></div> |  | <div><div>Light Oil:</div><div>&lt;250 mg/kWh</div><div>EN267</div></div> <div><div>Class 1</div><div>0...110 mg/kWh</div><div>Class 2</div><div>0...60 mg/kWh</div><div>Class 3</div><div>0...60 mg/kWh</div></div> |  |             |  |
| FUEL SUPPLY                    |  | single fuel<br>two fuels<br>three fuels                                                                                           |  | FUEL 1:<br>FUEL 2:<br>FUEL 3:                                                                                                                      |  | <div><div></div><div>Automatic fuel changeover</div></div>                                                                                                                                                           |  |             |  |
| CONTROL TYPE                   |  | 1 stage<br>2 stages<br>2 stage progressive mechanical<br>modulating mechanical with PID<br>modulating electronic                  |  |                                                                                                                                                    |  |                                                                                                                                                                                                                      |  |             |  |
| OPTIONS FOR ELECTRONIC VERSION |  | inverter (modulating electronic only)<br>O <sub>2</sub> trim (modulating electronic only)<br>CO trim (modulating electronic only) |  |                                                                                                                                                    |  |                                                                                                                                                                                                                      |  |             |  |
| ELECTRICAL CONFIGURATION       |  | standard electrical panel<br>loosen form with derivative panel<br>separate switch cabinet                                         |  |                                                                                                                                                    |  |                                                                                                                                                                                                                      |  |             |  |
| Other requirements: specify    |  |                                                                                                                                   |  |                                                                                                                                                    |  |                                                                                                                                                                                                                      |  |             |  |

SECTION 5 - GAS TRAIN CONFIGURATION

|                         |  |                   |  |                         |  |
|-------------------------|--|-------------------|--|-------------------------|--|
| Gas governor and filter |  | Tightness control |  | Maximum pressure switch |  |
| Dungs MultiBloc         |  | VPS               |  | KITPRESS0               |  |
| Siemens VGD             |  | VDK               |  | up to 6 MW              |  |
| Kromschroder VCS        |  | LDU               |  | KITPRES150              |  |
| Honeywell               |  | Electronic        |  | up to 25 MW             |  |

|                             |  |  |  |  |  |  |  |  |  |
|-----------------------------|--|--|--|--|--|--|--|--|--|
| Gas train type              |  |  |  |  |  |  |  |  |  |
| Other requirements: specify |  |  |  |  |  |  |  |  |  |

## NOTES - ADDITIONAL INFORMATION

[illegible]





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ECOFLAM Bruciatori S.p.A. reserves the right to make any adjustments, without prior notice, which is considered necessary or useful to its products, without affecting their main features.

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