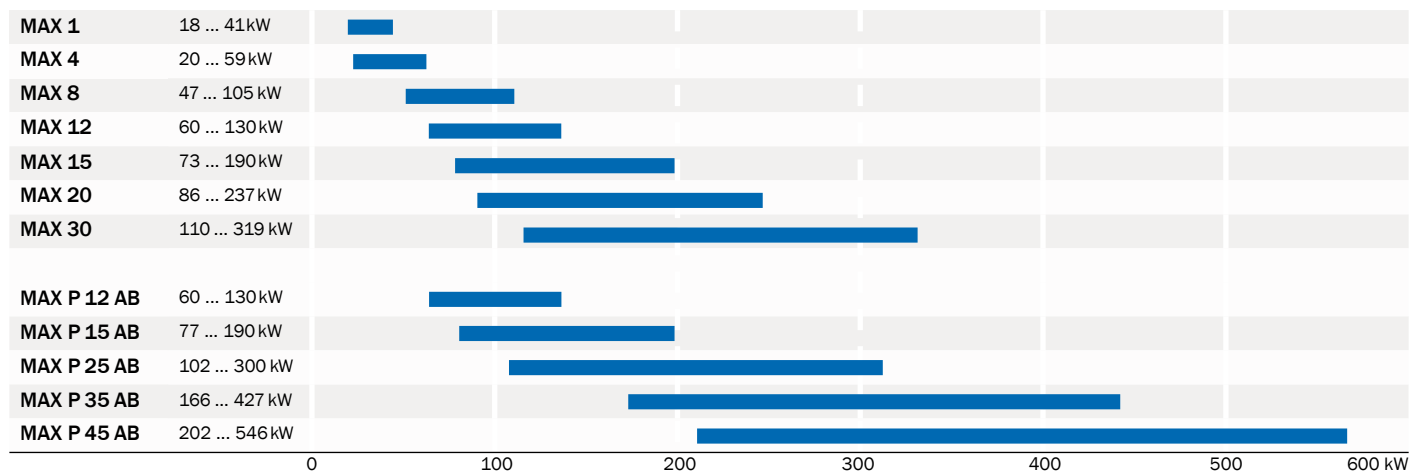


# Ecoflam

## LIGHT OIL RANGE MAX



## RANGE OVERVIEW



## MAIN FEATURES

- High efficiency fan ventilation system (HPV) allowing easy matching with boilers having high combustion chamber back pressure
- Electrical wiring simple to disassemble for easy maintenance
- Combustion head easy to assemble and adjust
- The hinge flange allows easy access to burner head without losing burner settings (MAX 35 and MAX 45)
- Models from MAX 1 to MAX 12 work with 50-60 Hz electrical frequency



## CONFIGURATIONS

MAX range is available in the following operation modes:

|                 |                                |                               |
|-----------------|--------------------------------|-------------------------------|
| MAX             | One stage                      | All models                    |
| MAX P ... AB    | Two stages                     | MAX P 35 AB - P 45 AB         |
| MAX P ... AB HS | Two stages with hydraulic jack | MAX P 12 AB HS ... P 45 AB HS |

**Other available configurations:**

- Continuous ventilation versions
- High temperature versions
- Versions with specific pump for light oil with maximum viscosity 5°E at 20°C
- OEM and other special versions on request according to feasibility

### FUEL

- Light oil (viscosity from 1,6 cSt to 6 cSt at 20 °C)

### EMISSIONS

| Class    | NOx mg/kWh |
|----------|------------|
| 1        | 250        |
| <b>2</b> | <b>185</b> |
| 3        | 120        |

All models are in compliance with EN 267 European Standard

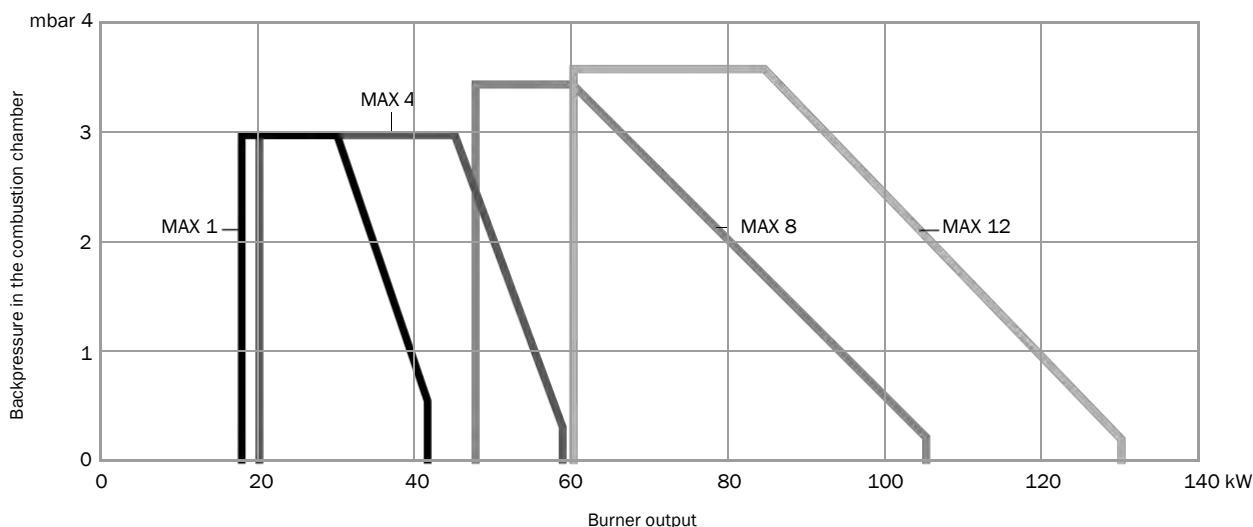
### CONFORM TO

- All products are in accordance with the following directives:
- 2006/42/EC Machinery Directive
  - 2014/30/UE EMC Directive
  - 2014/35/UE Low Voltage Directive



- Fuel: light oil (viscosity from 1,6 cSt to 6 cSt at 20 °C)
- Operation: one stage
- Emission class: Low NOx class 2 ( $\leq 185$  mg/kWh) according to EN267

## WORKING DIAGRAM



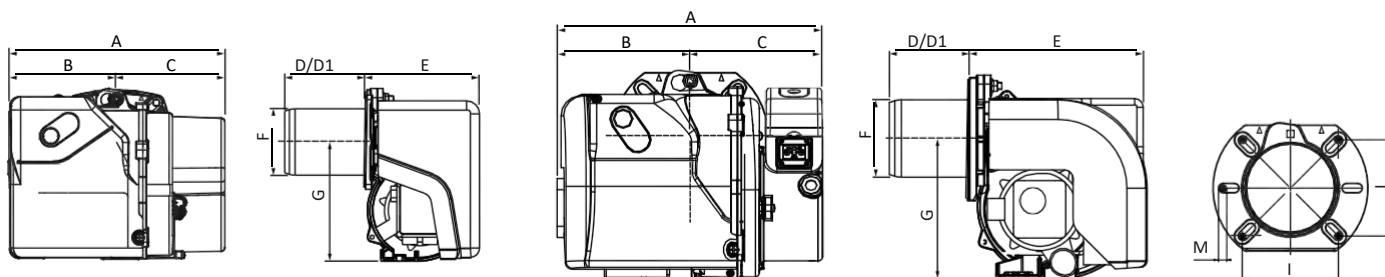
## TECHNICAL DATA

|        | Burner output (kW) | Flow rate (kg/h) | Power supply   | Motor (W) | NOx class | Operation |
|--------|--------------------|------------------|----------------|-----------|-----------|-----------|
| MAX 1  | 18 - 41            | 1,5 - 3,5        | 1/230V/50-60Hz | 75        | Class 2   | 1 stage   |
| MAX 4  | 20 - 59            | 1,7 - 5          | 1/230V/50-60Hz | 75        | Class 2   | 1 stage   |
| MAX 8  | 47 - 105           | 4 - 8,9          | 1/230V/50-60Hz | 100       | Class 2   | 1 stage   |
| MAX 12 | 60 - 130           | 5,1 - 11         | 1/230V/50-60Hz | 130       | Class 2   | 1 stage   |

## OVERALL DIMENSIONS

MAX 1

MAX 4 - 8 - 12

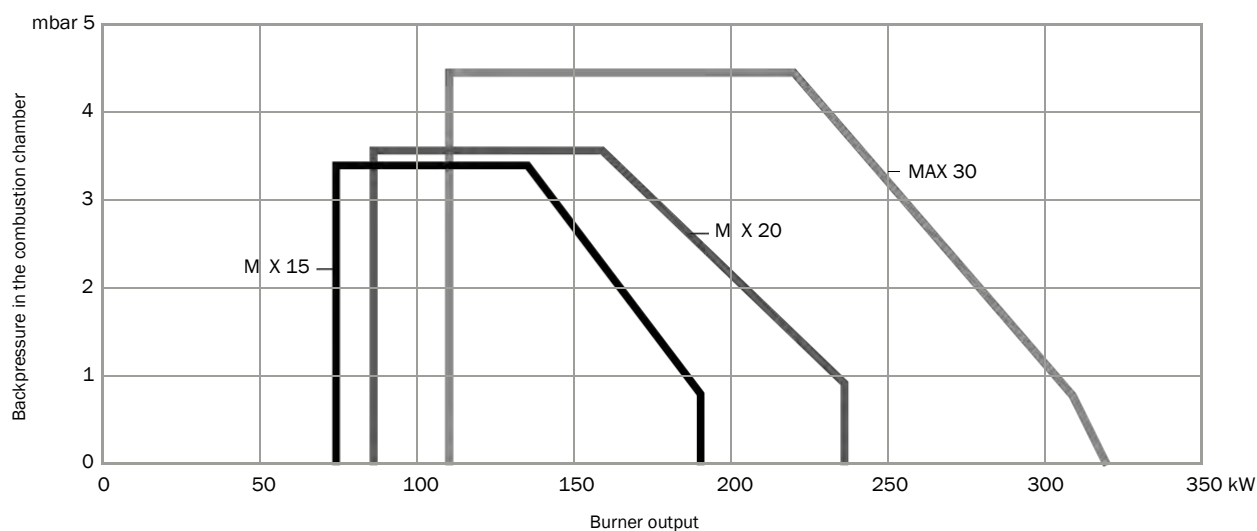


Dimensions in mm  
 Head length: D short / D1 long

|        | A   | B   | C   | D   | D1  | E   | F  | G   | I       | L       | M  |
|--------|-----|-----|-----|-----|-----|-----|----|-----|---------|---------|----|
| MAX 1  | 288 | 143 | 145 | 80  | 140 | 153 | 89 | 160 | 92/107  | 92/107  | M8 |
| MAX 4  | 297 | 149 | 148 | 90  | 145 | 204 | 89 | 160 | 90/107  | 90/107  | M8 |
| MAX 8  | 303 | 155 | 148 | 90  | 145 | 204 | 89 | 160 | 100/120 | 100/120 | M8 |
| MAX 12 | 317 | 169 | 148 | 100 | 155 | 204 | 98 | 160 | 100/120 | 100/120 | M8 |

- Fuel: light oil (viscosity from 1,6 cSt to 6 cSt at 20 °C)
- Operation: one stage
- Emission class: Low NOx class 2 ( $\leq 185$  mg/kWh) according to EN267

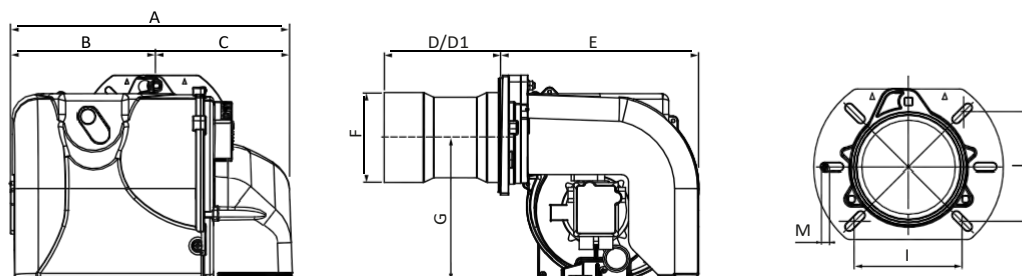
## WORKING DIAGRAM



## TECHNICAL DATA

|        | Burner output (kW) | Flow rate (kg/h) | Power supply | Motor (W) | NOx class | Operation |
|--------|--------------------|------------------|--------------|-----------|-----------|-----------|
| MAX 15 | 73 - 190           | 6,2 - 16         | 1/230V/50Hz  | 130       | Class 2   | 1 stage   |
| MAX 20 | 86 - 237           | 7,3 - 20         | 1/230V/50Hz  | 200       | Class 2   | 1 stage   |
| MAX 30 | 110 - 319          | 9,3 - 27         | 1/230V/50Hz  | 200       | Class 2   | 1 stage   |

## OVERALL DIMENSIONS



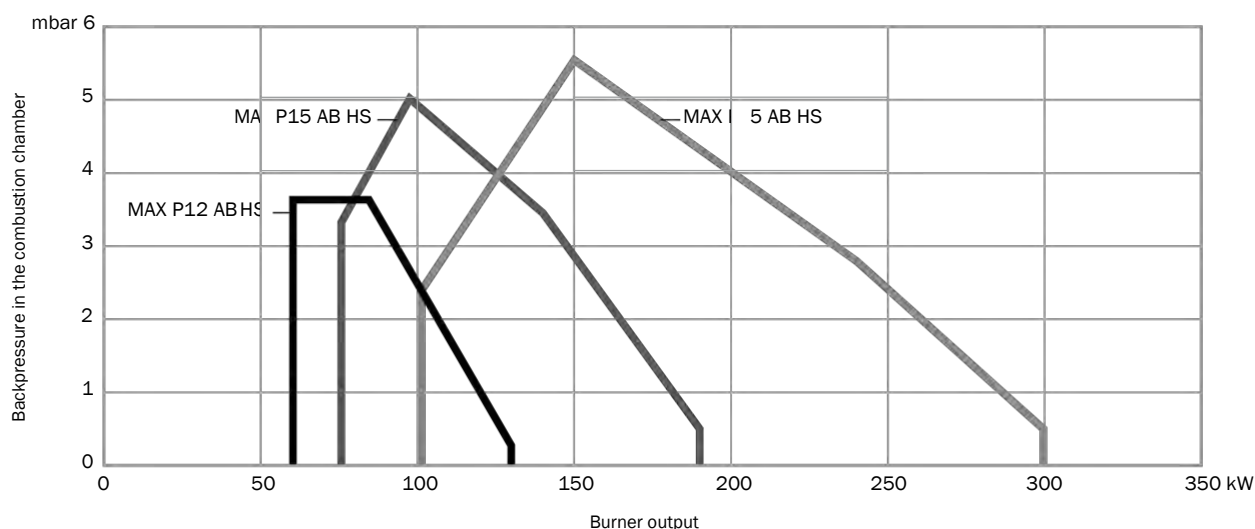
Dimensions in mm  
 Head lenght: **D** short / **D1** long

|        | A   | B   | C   | D   | D1  | E   | F   | G   | I       | L       | M  |
|--------|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|----|
| MAX 15 | 392 | 202 | 190 | 160 | 260 | 276 | 107 | 201 | 120/131 | 120/131 | M8 |
| MAX 20 | 392 | 202 | 190 | 160 | 260 | 276 | 125 | 201 | 120/131 | 120/131 | M8 |
| MAX 30 | 392 | 202 | 190 | 160 | 260 | 276 | 125 | 201 | 120/131 | 120/131 | M8 |

Range Models  
**MAX P 12 HS - P 15 HS - P 25 HS**

- Fuel: light oil (viscosity from 1,6 cSt to 6 cSt at 20 °C)
- Operation: two stages with hydraulic jack
- Emission class: Low NOx class 2 ( $\leq 185$  mg/kWh) according to EN267

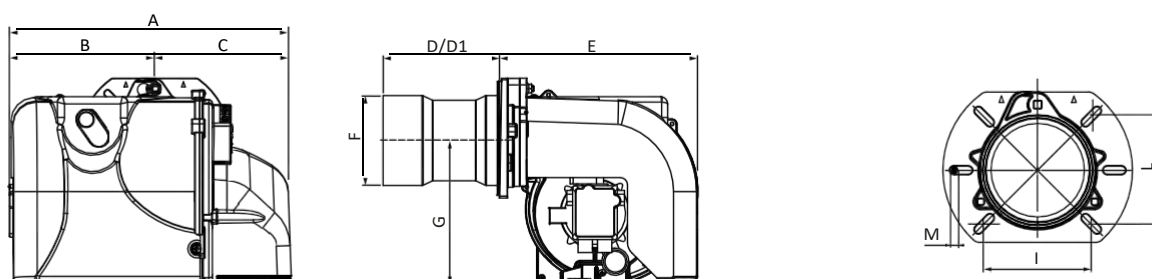
## WORKING DIAGRAM



## TECHNICAL DATA

|                | Burner output (kW) | Flow rate (kg/h) | Power supply   | Motor (W) | NOx class | Operation |
|----------------|--------------------|------------------|----------------|-----------|-----------|-----------|
| MAX P 12 AB HS | 60 - 130           | 5,1 - 11         | 1/230V/50-60Hz | 130       | Class 2   | P AB HS   |
| MAX P 15 AB HS | 77 - 190           | 6,5 - 16         | 1/230V/50Hz    | 130       | Class 2   | P AB HS   |
| MAX P 25 AB HS | 102 - 300          | 8,6 - 25,4       | 1/230V/50Hz    | 200       | Class 2   | P AB HS   |

## OVERALL DIMENSIONS

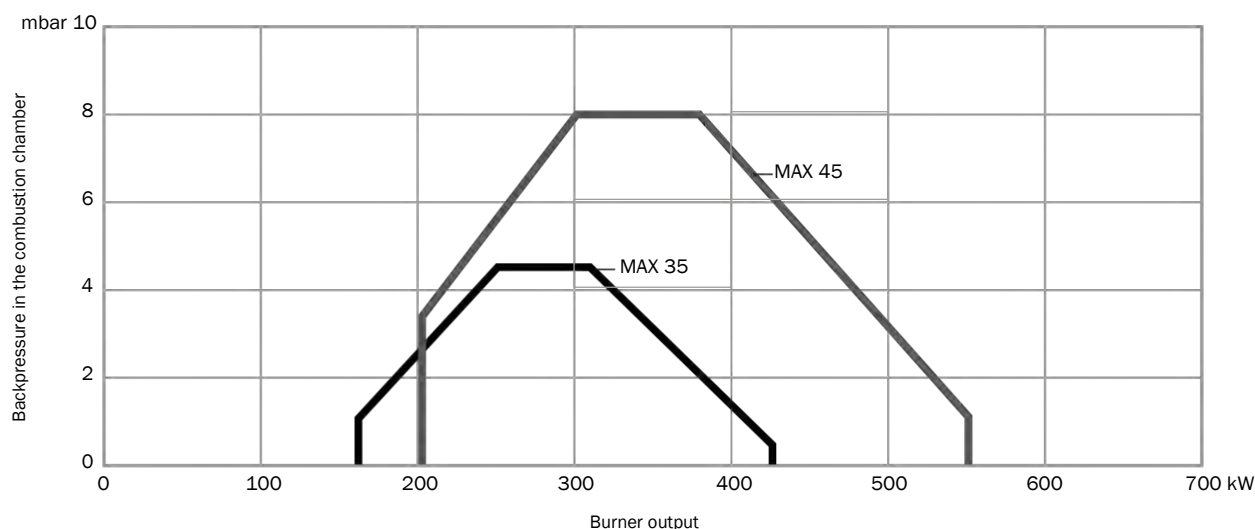


Dimensions in mm  
 Head length: D short / D1 long

|                | A   | B   | C   | D   | D1  | E   | F   | G   | I       | L       | M  |
|----------------|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|----|
| MAX P 12 AB HS | 308 | 169 | 139 | 100 | 155 | 204 | 98  | 160 | 100/120 | 100/120 | M8 |
| MAX P 15 AB HS | 392 | 202 | 190 | 160 | 260 | 276 | 107 | 201 | 120/131 | 120/131 | M8 |
| MAX P 25 AB HS | 392 | 202 | 190 | 160 | 260 | 276 | 125 | 201 | 120/131 | 120/131 | M8 |

- Fuel: light oil (viscosity from 1,6 cSt to 6 cSt at 20 °C)
- Operation: two stages and two stages with hydraulic jack
- Emission class: Low NOx class 2 ( $\leq 185$  mg/kWh) according to EN267

## WORKING DIAGRAM

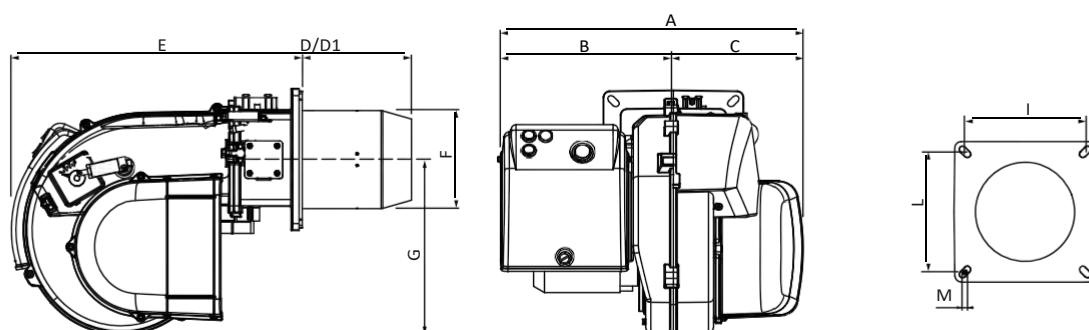


Test conditions conforming to EN267  
 Temperature: 20 °C  
 Pressure: 1013,5 mbar  
 Altitude: 0 m a.s.l.

## TECHNICAL DATA

|                | Burner output (kW) | Flow rate (kg/h) | Power supply    | Motor (W) | NOx class | Operation |
|----------------|--------------------|------------------|-----------------|-----------|-----------|-----------|
| MAX P 35 AB    | 166 - 427          | 14 - 36          | 1/230V/50Hz     | 300       | Class 2   | AB        |
| MAX P 45 AB    | 202 - 546          | 17 - 46          | 3/230-400V/50Hz | 550       | Class 2   | AB        |
| MAX P 35 AB HS | 166 - 427          | 14 - 36          | 1/230V/50Hz     | 300       | Class 2   | AB HS     |
| MAX P 45 AB HS | 202 - 546          | 17 - 46          | 3/230-400V/50Hz | 550       | Class 2   | AB HS     |

## OVERALL DIMENSIONS



Dimensions in mm  
 Head length: **D** short / **D1** long

|          | A   | B   | C   | D   | D1  | E   | F   | G   | I       | L       | M  |
|----------|-----|-----|-----|-----|-----|-----|-----|-----|---------|---------|----|
| MAX P 35 | 501 | 294 | 207 | 175 | 365 | 466 | 160 | 280 | 185/200 | 185/200 | M8 |
| MAX P 45 | 501 | 294 | 207 | 175 | 365 | 466 | 160 | 280 | 185/200 | 185/200 | M8 |

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