# miniflam SERIES  HS5  HS10  HS18

CIB UNIGAS
>80 <120 mg/kWh
CLASS 2
Low NOx

This small output series can work both with gas and light oil according to the fuel availability on the plant.

Clearly all mechanisms have been carefully studied to give the maximum efficiency and are perfectly compatible to work with gas and liquid fuels; in fact fuel change over is simply achieved by a single electrical switch which prompts the burner to carry out a controlled shutdown.

The high perfomance fuel pump is driven by a separate motor running only when oil firing is selected.

Moreover, thanks to its small dimensions, this series is particularly suitable to a quick maintenance. The burners' features are: an housing made in aluminium die-cast, the cover can be easily taken off, a grill on the air inlet prevents any foreign object being drawn into the fan.

The combustion head can be adjusted by means of a graduated screw.



HS5 TN
HS10 TN
HS18 TN

Back-pressure in combustion chamber (mbar)

Output (kW)
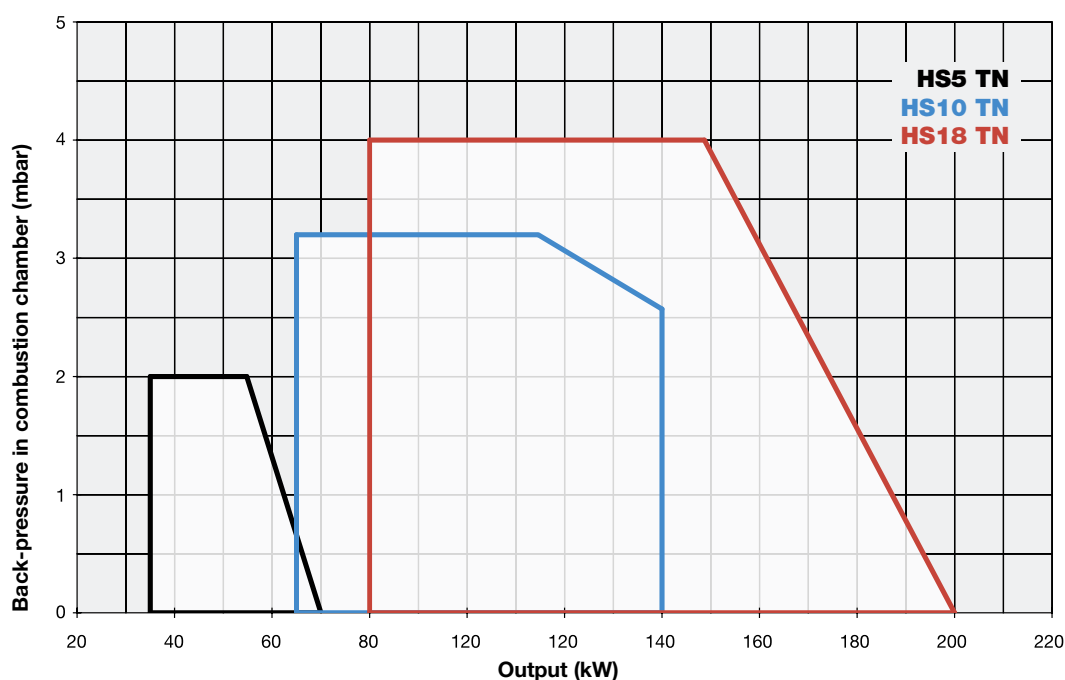
## TECHNICAL DETAILS

| Type | Model | Power kW | | Electric power supply | Fan motor kW | Pump motor kW | Gas connections |
|------|-------|----------|----------|---------|--------|--------|--------|
| | | min. | max. | | | | |
| HS5 | MG.TN.x.xx.A.0.15 | 35 | 70 | 230 V 1N ac | 0,10 | 0,1 | ½" |
| HS10 | MG.TN.x.xx.A.0.20 | 65 | 140 | 230 V 1N ac | 0,15 | 0,1 | ¾" |
| HS18 | MG.TN.x.xx.A.0.25 | 80 | 200 | 230 V 1N ac | 0,15 | 0,1 | 1" |



Burner flange

Suggested boiler drilling
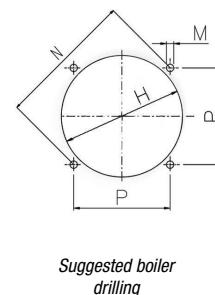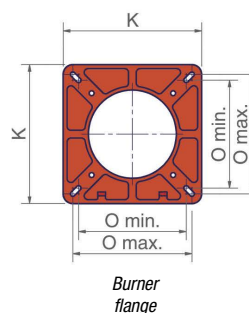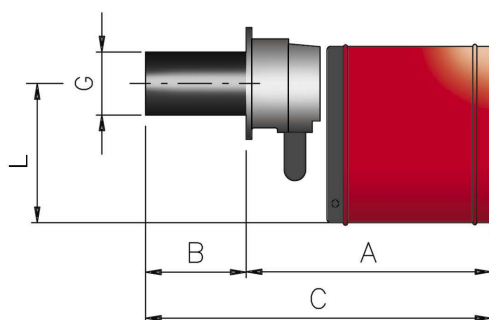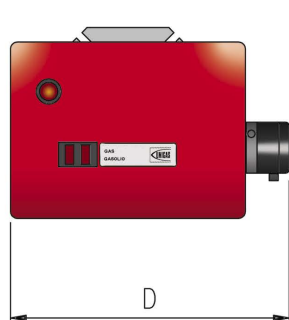
| Type | Packaging dimensions (mm) | | | |
|------|-----|-----|-----|-----|
| | l | p | h | kg |
| HS5 | 580 | 580 | 360 | 23 |
| HS10 | 510 | 350 | 730 | 30 |
| HS15 | 510 | 350 | 730 | 31 |

Approximate values

| Type | Model | Overall dimensions (mm) | | | | | | | | Boiler drilling (mm) | | | | | Burner flange (mm) | | |
|------|-------|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|-----|
| | | A | B | BL | C | CL | D | G | L | H | M | N | P | | K | O | |
| | | | | | | | | | | | | | min. | max. | | min. | max. |
| HS5 | MG.TN.x.xx.A.0.15 | 320 | 0÷61 | 0÷160 | 380 | 480 | 400 | 80 | 190 | 90 | M8 | 130÷189 | 92 | 134 | 162 | 86 | 138 |
| HS10 | MG.TN.x.xx.A.0.20 | 351 | 159 | 254 | 510 | 605 | 430 | 108 | 210 | 115 | M8 | 148÷189 | 105 | 134 | 162 | 103 | 103 |
| HS18 | MG.TN.x.xx.A.0.25 | 348 | 177 | 267 | 525 | 615 | 430 | 126 | 210 | 135 | M8 | 148÷189 | 105 | 134 | 162 | 103 | 103 |

Approximate values

>80 <120 mg/kWh
CLASS 2
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Low NOx

**HS5 TN**



**HS10 TN**



**HS18 TN**



**HS5 TN**

Rp 1/2" (15)



**HS10 TN**

Rp 3/4" (20)



**HS18 TN**

Rp 1" (25)
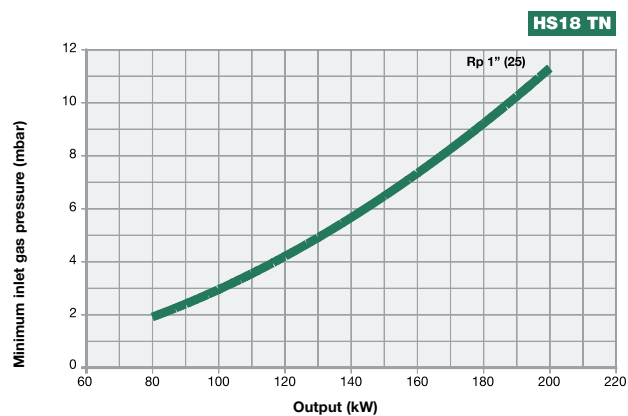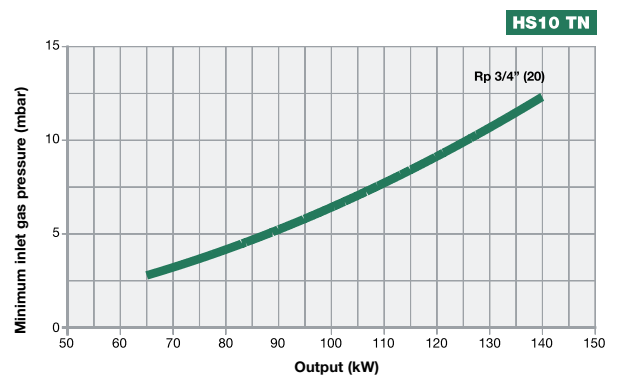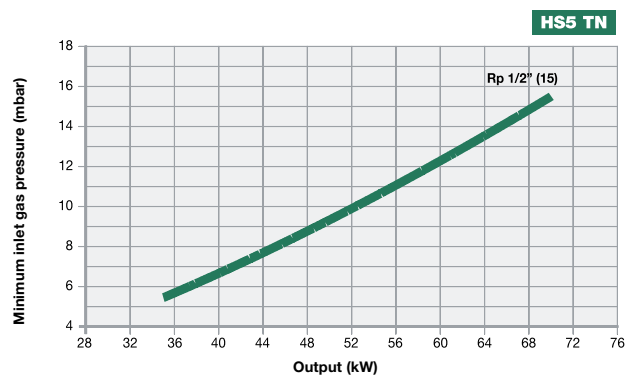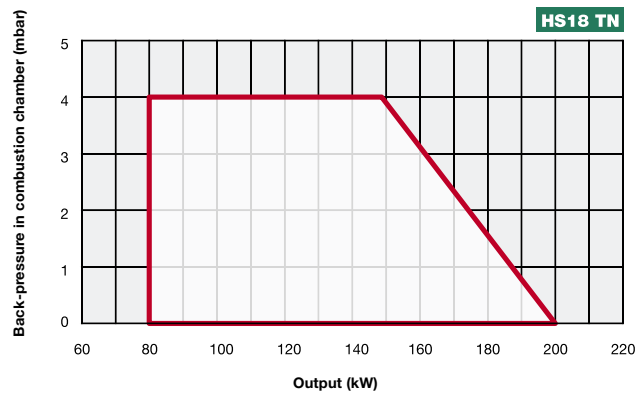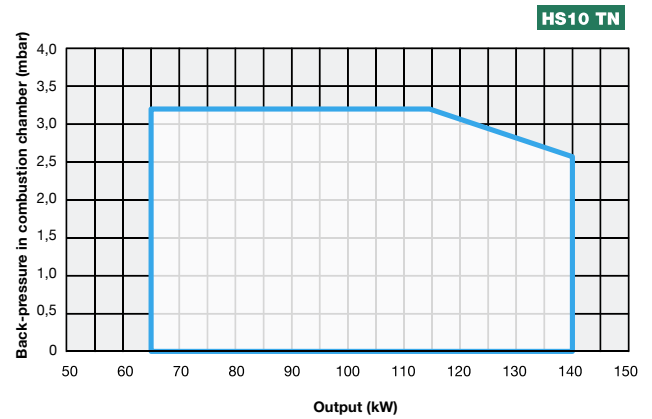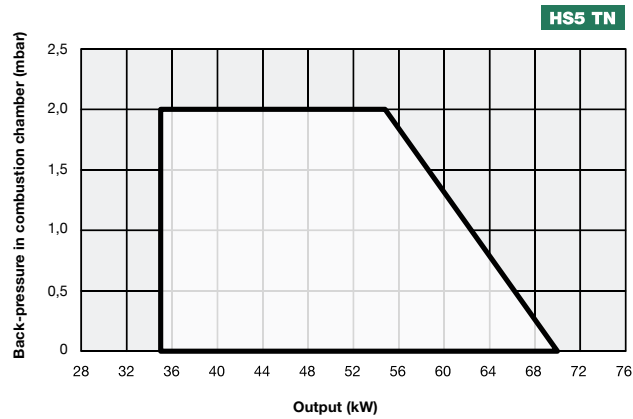


**Attention:** the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.