

## ITAS DRYFLAME MODEL DF0250

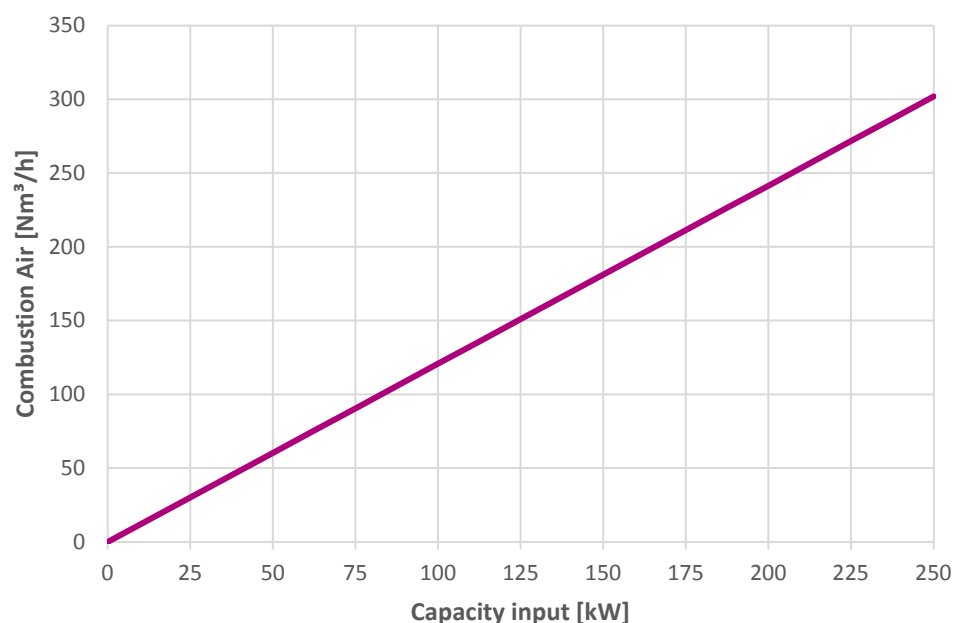
### TECHNICAL DATASHEET (METRIC)

Parameter	Value
Maximum Capacity input [kW <sub>l<sub>h<sub>v</sub></sub></sub> ]	250
Minimum Capacity input [kW <sub>l<sub>h<sub>v</sub></sub></sub> ]	10
Gas pressure [mbar] (At burner inlet - see page 3)	Natural gas: 50
Gas differential pressure over burner [mbar] (between Tap "A" and chamber – see page 3)	Natural gas: 30,2
Lambda	1,2
Air pressure [mbar] (At burner inlet – see page 3)	10
Air differential pressure [mbar] (Between Tap "B" and chamber - see page 3)	Natural gas: 1,0
Fuels	Natural Gas Contact Fives ITAS S.p.A. for information on using other fuels
Flame dimensions [mm] (Measured from outlet of combustor)	Length: 750 Diameter: 150
Combustion air temperature [°C] (Higher temperatures on request)	< 50
Ignition	Direct ignition by spark rod Ignited by integrated pilot optional
Flame Monitoring	Flame rod or UV scanner
Maximum chamber temp with alloy tube [°C]	900
Installation position	Horizontal Vertical down (use a continuous fan operation)
Weight [kg]	13

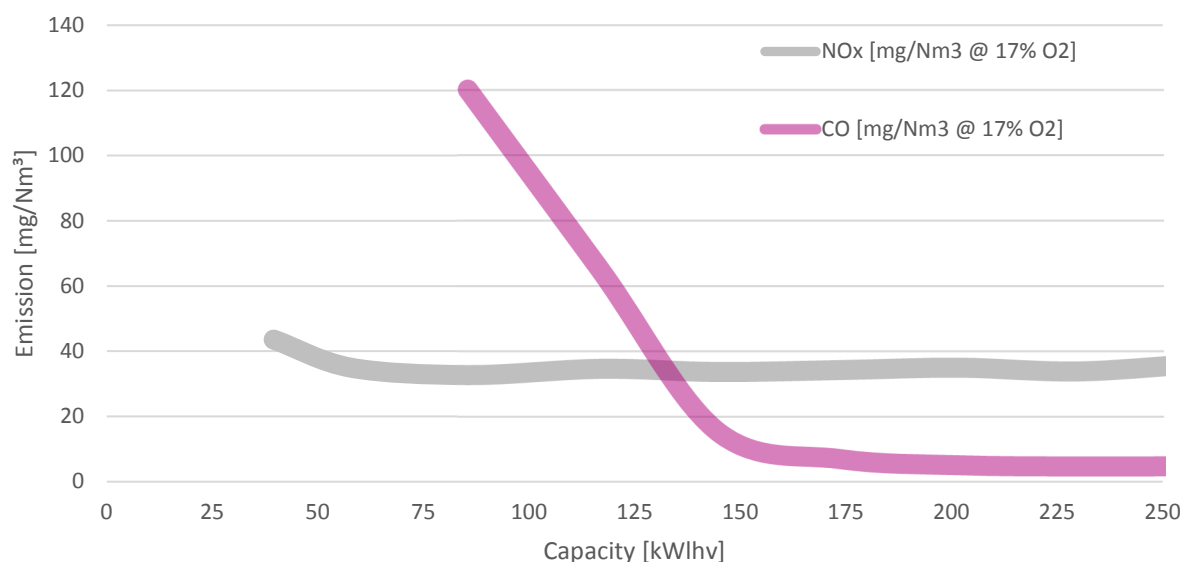
**Notes:**

- All data are based on net calorific values = l<sub>h<sub>v</sub></sub>
- All information is based on common practice for gas and air pipe design.  
Contact Fives ITAS S.p.A. for any further support.
- All inputs are based on laboratory testing at neutral chamber conditions
- Natural gas: l<sub>h<sub>v</sub></sub> = 9,97 kWh/Nm<sup>3</sup>; d=0,56
- Propane: l<sub>h<sub>v</sub></sub> = 26,3 kWh/Nm<sup>3</sup>; d=1,58

## 1. OPERATION CURVE



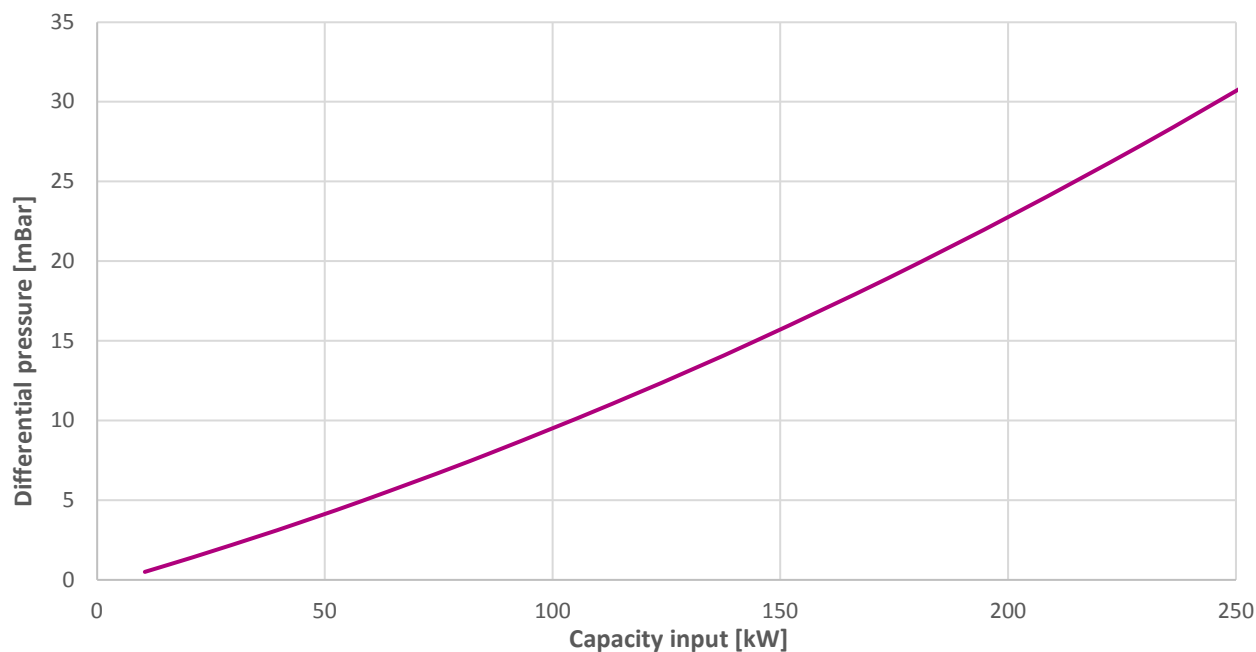
## 2. ESTIMATED EMISSION OUTPUT



Emission levels provided are estimated outputs from the burner at the following conditions:

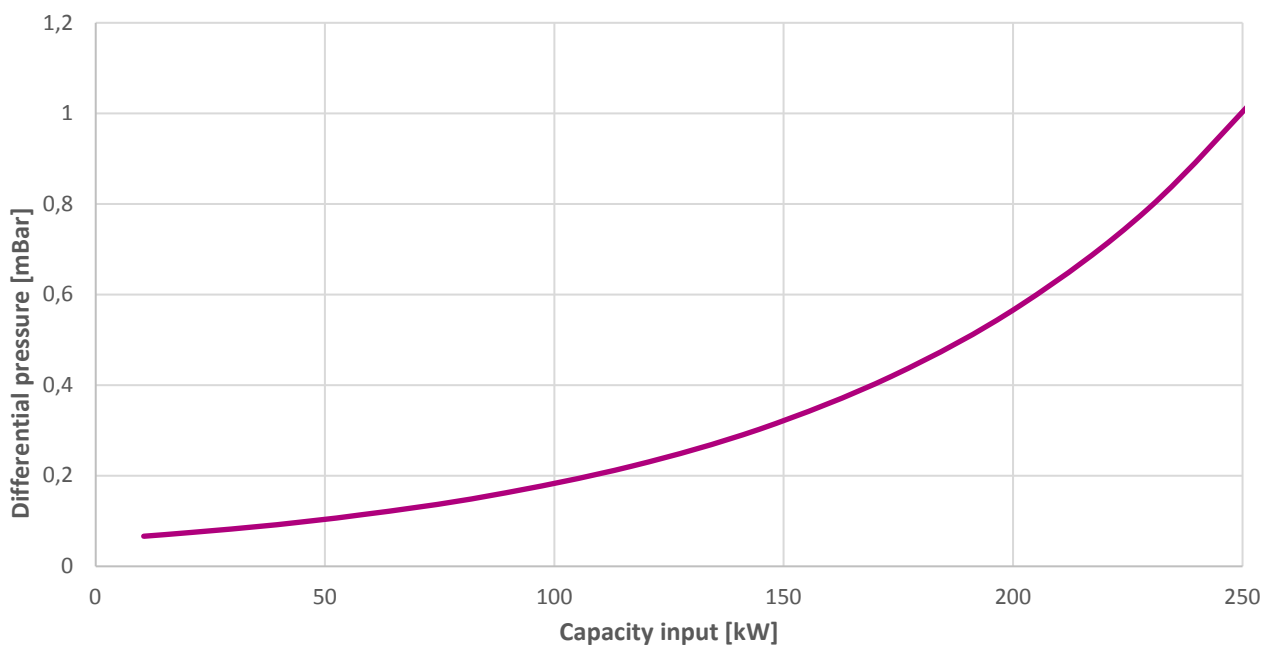
- Natural gas
- Measured at 17% O<sub>2</sub>
- Neutral chamber conditions;
- Ambient combustion air (15 °C)

### 3. GAS DP - BETWEEN TAP “A” AND CHAMBER



### 4. AIR DP - BETWEEN TAP “B” AND CHAMBER

Operating Natural gas\*



\* dP's are given for Ambient combustion air (15°C)

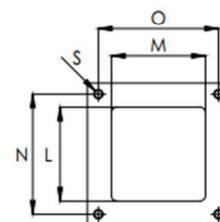
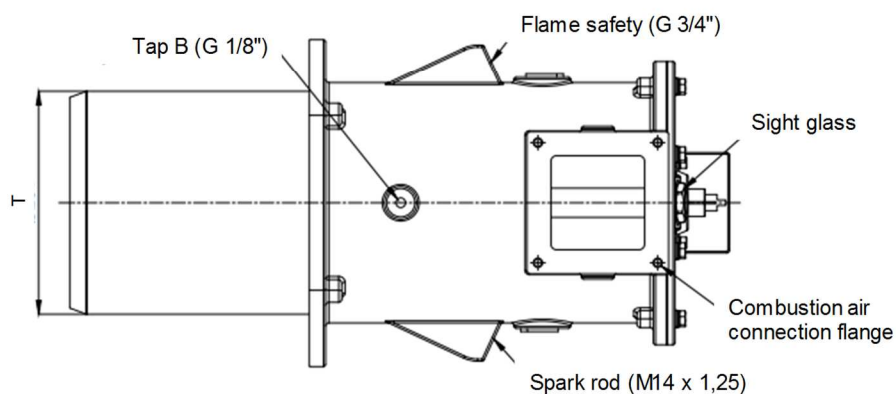
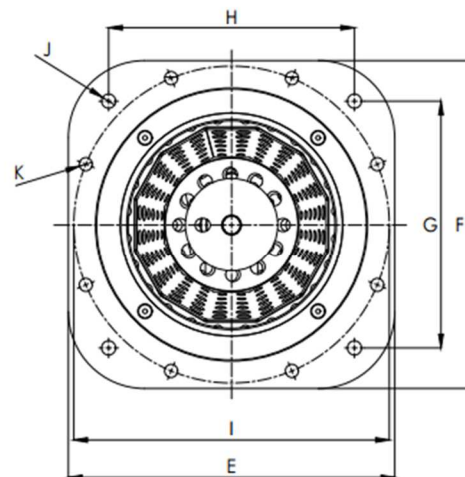
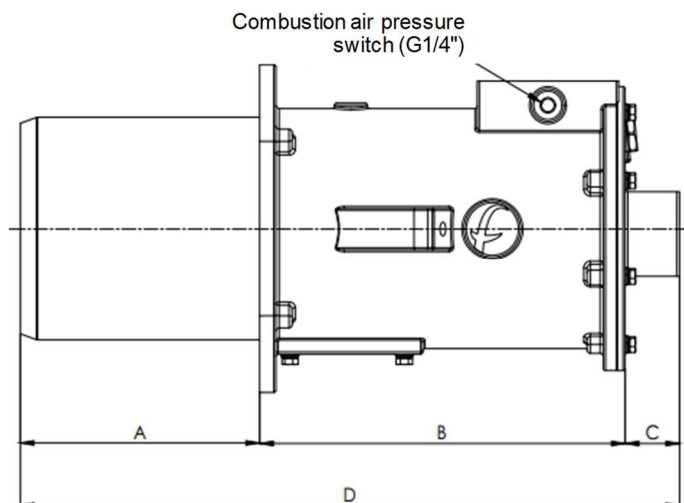
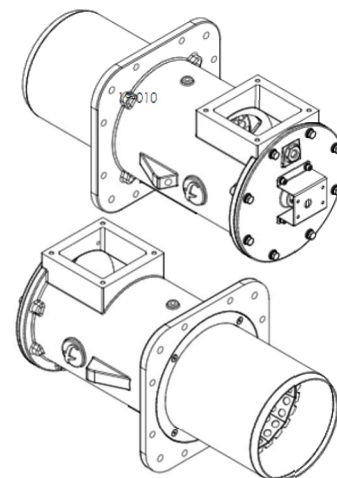
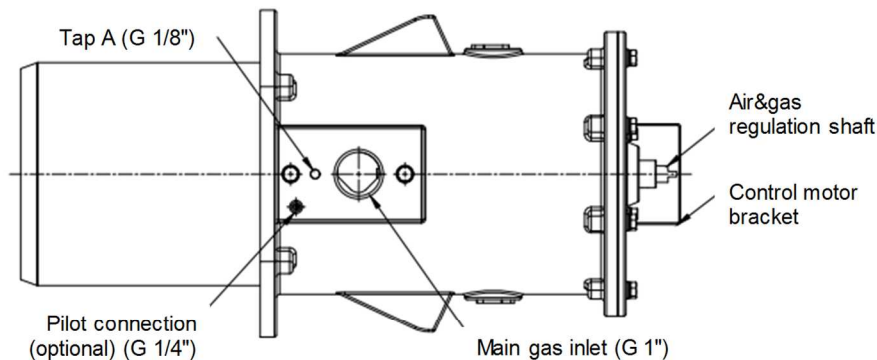
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## 5. DIMENSIONS



Pos.	[mm]
A	220
B	273
C	50
D	543
E	235
F	235

Pos.	[mm]
G	184
H	184
I	225
J	13
K	10
L	80

Pos.	[mm]
M	80
N	95
O	95
S	M8
T	152