

Burners for gas, double stage, aluminium frame, fan at high pressurisation, combustion head with adjustment at high efficiency and high flame stability. Available in the versions Methane (natural gas) or G.P.L. (to specify at the order) on demand specific versions for town gas, coal gas or biogas. Disposition rationalized of the components with accessibility facilitated for the operations of setting and maintenance. Gas train complete of working valve double stage with flow adjustment, safety valve, gas pressure switch, filter stabiliser of gas pressure, completely assembled, electrically linked and tested.

## TECHNICAL DATA

| MODEL  |                    | GAS P70/2 CE  | GAS P100/2 CE | GAS P150/2 CE  |
|--|--------------------|---|---------------|----------------|
| Thermal power min 1° st./min 2° st.-max 2° st.*                        | Mcal/h             | 116/350-650   | 172/500-1000  | 240/700-1500   |
|  | kW                 | 135/406-754   | 200/581-1162  | 279/814-1744   |
| G20 flow (NATURAL GAS) min 1° st./min 2° st.-max 2° st.*               | Nm <sup>3</sup> /h | 13.5/41-76  | 20/58.4-117   | 28/81.7-175.2  |
| G31 flow (LPG) min 1° st./min 2° st.-max 2° st.*                       | Nm <sup>3</sup> /h | 5.2/15.7-29.3   | 7.8/22.6-45.2 | 10.8/31.6-67.8 |
| Fuel   |                    | Natural gas (second family) - LPG (third family)            |               |                |
| Combustible category   |                    | 2R' 2H' 2L' 2E' 2E+' 2Er' 2ELL' 2E(R)B 38/P' 3+' 3P' 38' 3R |               |                |
| Intermittent working operation (min. 1 stop every 24 hours) two stages |                    |   |               |                |
| Environmental conditions operation/storage                             |                    | -15...+40°C/-20...+70°C, rel. humidity max 80%              |               |                |
| Max temperature combustion air   | °C                 | 60  | 60            | 60             |
| Minimum pressure gas train D1"1/2 F550 NATURAL GAS/LPG **              | mbar               | 21/27   | 42/36         | -              |
| Minimum pressure gas train D2" F550 NATURAL GAS/LPG **                 | mbar               | 17/25   | 33/31         | 63/43          |
| Minimum pressure gas train DN65 F565 NATURAL GAS/LPG **                | mbar               | -   | 22/28         | 36/33          |
| Minimum pressure gas train DN80 F580 NATURAL GAS/LPG **                | mbar               | -   | -             | 27/31          |
| Maximum pressure at the entry of the valves (Pe.max)                   | mbar               | 200   | 200           | 200            |
| Nominal electric power   | kW                 | 1.4   | 2.7           | 3.4            |
| Motor fan  | kW                 | 1.1   | 2.2           | 3              |
| Nominal absorption power   | A                  | 2.5   | 5.2           | 6              |
| Nominal absorption auxiliary   | A                  | 0.6   | 0.5           | 0.6            |
| Electrical supply  |                    | 3 ~400V,1/N ~230V-50Hz                                      |               |                |
| Degree of electric protection  |                    | IP40  | IP40          | IP40           |
| Noisiness*** min-max   | dB(A)              | 72-78   | 81-82         | 83-84          |
| Weight burner****  | kg                 | 47  | 65            | 79             |

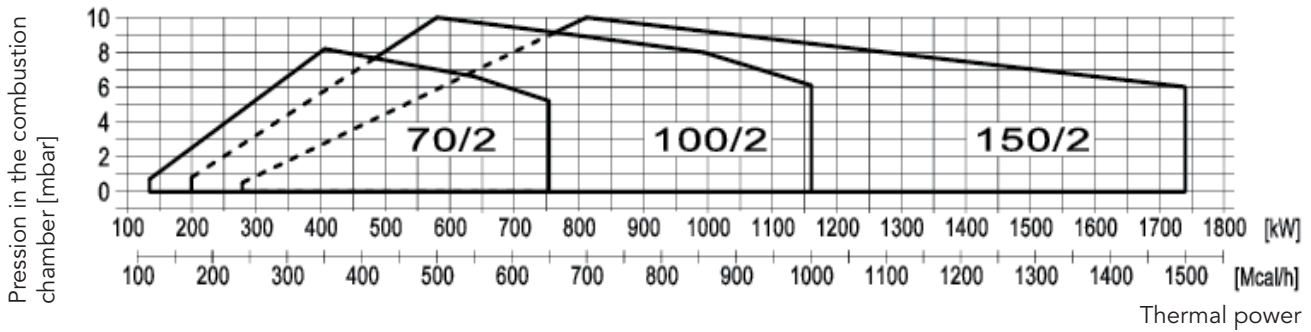
\* Reference conditions: Environment temperature 20°C - Barometric pressure 1013 mbars - Altitude 0 mt (sea level)

\*\* Minimal feeding-gas pressure of the gas train to get the maximum power of the burner considering counter-pressure in combustion chamber of value 0 (zero)

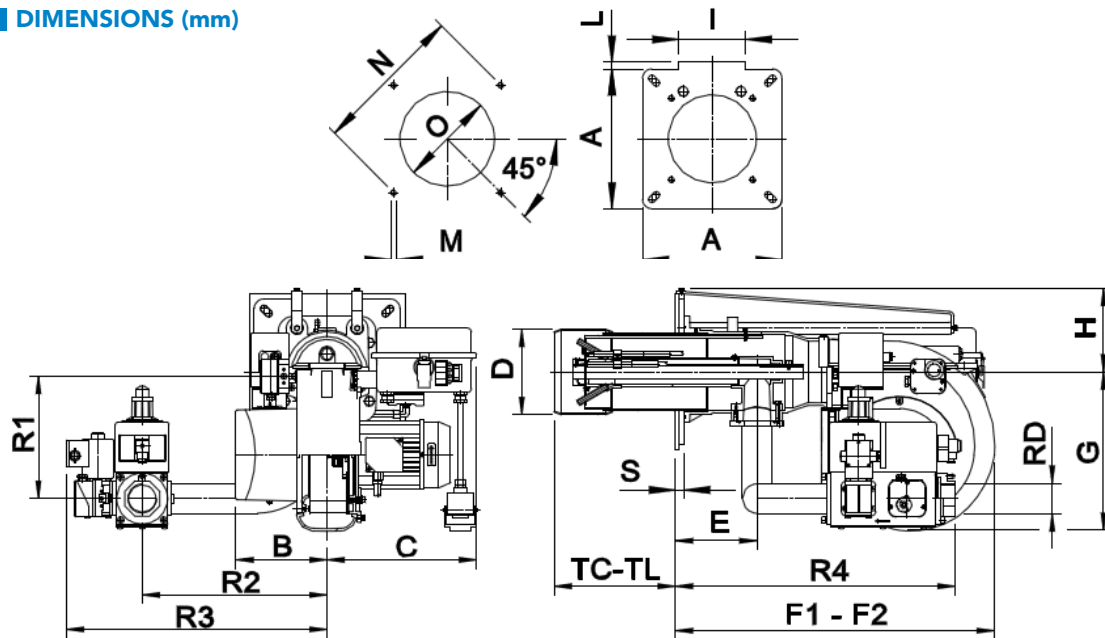
\*\*\* Measured sonorous pressure in the laboratory combustion, with functional burner on beta boiler to 1 mt of distance (UNI EN ISO 3746 law)

\*\*\*\* For burner with long head add 3 kg weight

## FIRING RATES: Thermal power - Pressure in combustion chamber



## DIMENSIONS (mm)



F2 = overall dimension with the burner out in position of maintenance  
\* Recommended diameter of hole on the boiler

| MODEL                        | A   | B   | C   | D   | E   | F1  | F2   | G   | H   | I   | L  | M   | N min | N max | O min | O * | O max | TC  | TL  | S  | R1  | R2  | R3  | R4  | RD     | Gas train weight |
|------------------------------|-----|-----|-----|-----|-----|-----|------|-----|-----|-----|----|-----|-------|-------|-------|-----|-------|-----|-----|----|-----|-----|-----|-----|--------|------------------|
| GAS P 70/2 CE - D1"1/2-FS50  | 300 | 188 | 308 | 175 | 168 | 660 | 1100 | 327 | 171 | 144 | 10 | M12 | 310   | 368   | 185   | 185 | 250   | 250 | 385 | 18 | 260 | 380 | 532 | 576 | 1 1/2" | 23 kg            |
| GAS P 70/2 CE - D2"-FS50     | 300 | 188 | 308 | 175 | 168 | 660 | 1100 | 327 | 171 | 144 | 10 | M12 | 310   | 368   | 185   | 185 | 250   | 250 | 385 | 18 | 260 | 380 | 536 | 576 | 2"     | 23 kg            |
| GAS P 100/2 CE - D1"1/2-FS50 | 300 | 238 | 372 | 185 | 184 | 660 | 1160 | 438 | 173 | 0   | 0  | M12 | 340   | 368   | 195   | 195 | 250   | 250 | 385 | 18 | 260 | 380 | 532 | 591 | 1 1/2" | 23 kg            |
| GAS P 100/2 CE - D2"-FS50    | 300 | 238 | 372 | 185 | 184 | 660 | 1160 | 438 | 173 | 0   | 0  | M12 | 340   | 368   | 195   | 195 | 250   | 250 | 385 | 18 | 260 | 380 | 536 | 591 | 2"     | 23 kg            |
| GAS P 100/2 CE - DN65        | 300 | 238 | 372 | 185 | 184 | 660 | 1160 | 438 | 173 | 0   | 0  | M12 | 340   | 368   | 195   | 195 | 250   | 250 | 385 | 18 | 260 | 380 | 540 | 630 | DN65   | 50 kg            |
| GAS P 150/2 CE - D2"         | 320 | 238 | 372 | 209 | 193 | 800 | 1380 | 438 | 213 | 183 | 40 | M14 | 340   | 368   | 220   | 220 | 250   | 280 | 400 | 23 | 284 | 380 | 552 | 600 | 2"     | 25 kg            |
| GAS P 150/2 CE - DN65        | 320 | 238 | 372 | 209 | 193 | 800 | 1380 | 438 | 213 | 183 | 40 | M14 | 340   | 368   | 220   | 220 | 250   | 280 | 400 | 23 | 228 | 340 | 495 | 585 | DN65   | 50 kg            |
| GAS P 150/2 CE - DN80        | 320 | 238 | 372 | 209 | 193 | 800 | 1380 | 438 | 213 | 183 | 40 | M14 | 340   | 368   | 220   | 220 | 250   | 280 | 400 | 23 | 228 | 420 | 590 | 605 | DN80   | 60 kg            |