



Burners for gas two stages progressive (hi-low flame) or modulating (PID fully modulating) with the addition of the optional system modulation kit plus feeder. Fan at high pressurisation, combustion head with adjustment at high efficiency and high flame stability.

Disposition rationalized of the components with accessibility facilitated for the operations of setting and maintenance.

Gas train complete of working valve with flow adjustment, safety valve, gas pressure switch, filter stabiliser of gas pressure, completely assembled, electrically linked and tested.

### TECHNICAL DATA

MODEL		GAS P70/M CE	GAS P100/M CE	GAS P150/M 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+ 2EF 2ELL 2E(R)B 3B/P 3+ 3P 3B 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 FS50 NATURAL GAS/LPG **	mbar	21/27	42/36	-
Minimum pressure gas train D2" FS50 NATURAL GAS/LPG **	mbar	17/25	33/31	63/43
Minimum pressure gas train DN65 FS65 NATURAL GAS/LPG **	mbar	-	22/28	36/33
Minimum pressure gas train DN80 FS80 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	three-phase 230/400V(-15%+10%) 50 Hz			
Degree of electric protection		IP40	IP40	IP40
Noisiness*** min-max	dB(A)	72-78	81-82	83-84
Weight burner****	kg	54	71	87

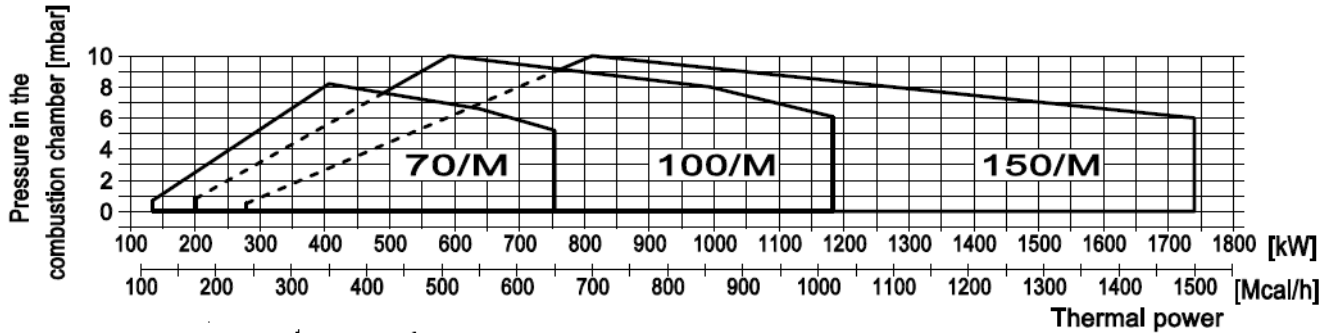
\* Reference conditions: Environment temperature 20°C - Barometric pressure 1013 mbars - Altitude 0 mt (sea level)

\*\* 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)

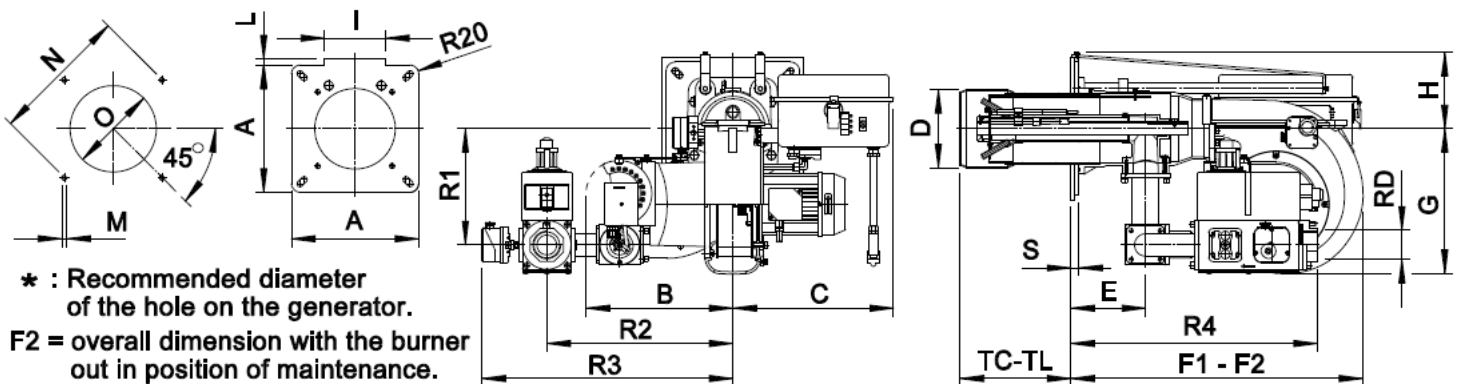
\*\*\* Measured sonorous pressure in the laboratory combustion, with functional burner on beta boiler to 1 mt of distance (UNI EN ISO 3746 law)

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

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



### DIMENSIONS (mm)



MODEL	A	B	C	ØD	E	F1	F2	G	H	I	L	M	N <sub>min</sub>	N <sub>max</sub>	O <sub>min</sub>	O <sub>*</sub>	O <sub>max</sub>	TC	TL	S	R1	R2	R3	R4	RD	Gas train weight
GAS P 70/M CE - D1"1/2	300	331	362	175	168	660	1100	327	171	144	10	M12	310	368	185	185	250	250	385	18	260	415	553	538	1 1/2"	20 kg
GAS P 70/M CE - D2"	300	331	362	175	168	660	1100	327	171	144	10	M12	310	368	185	185	250	250	385	18	260	415	553	538	2"	20 kg
GAS P 100/M CE - D1"1/2	300	376	372	185	184	660	1160	438	173	-	-	M12	340	368	195	195	250	250	385	18	260	460	600	554	1 1/2"	20 kg
GAS P 100/M CE - D2"	300	376	372	185	184	660	1160	438	173	-	-	M12	340	368	195	195	250	250	385	18	260	460	600	554	2"	20 kg
GAS P 100/M CE - DN65	300	376	372	185	184	660	1160	438	173	-	-	M12	340	368	195	195	250	250	385	18	260	500	592	580	DN65	25 kg
GAS P 150/M CE - D2"	320	376	372	209	193	800	1380	438	213	183	40	M14	340	368	220	220	250	280	400	23	228	510	673	552	2"	22 kg
GAS P 150/M CE - DN65	320	376	372	209	193	800	1380	438	213	183	40	M14	340	368	220	220	250	280	400	23	228	510	665	590	DN65	27 kg
GAS P 150/M CE - DN80	320	376	372	209	193	800	1380	438	213	183	40	M14	340	368	220	220	250	280	400	23	228	550	750	630	DN80	37 kg

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