Библиотека СОК

CIB UNIGAS®

SERIES G

HEAD X

G225X
G270X
G325X

HEAD V

G270V
G330V

HEAD N

G200N
G215N
G240N

HEAD A

G258A
G335A
G400A

GB
M029145CA
Rev. 0.0
08-2025

LET'S LIGHT UP THE FUTURE.

CIB Unigas was founded in 1972 as a small company by Mr. Claudio Pancolini. The remarkable creative and design skills of its technical staff enabled the company to penetrate the market quickly and effectively. Over the past 50 years, with the goal of promoting eco-sustainable fuels and applications, **CIB Unigas has become one of the leading companies in the design, production and sale of burners for civil and industrial applications.**

Factors such as the progressive shift in demand abroad (over 85% of current turnover) and the willingness to develop a solid distribution network, have allowed the company to **open numerous branches, particularly in the United Kingdom, China, and the United States, in addition to more than 60 official dealers worldwide.** This strengthened and widespread sales network, combined with the complete range of burners offered and the constant participation in international conferences and trade fairs, has made CIB Unigas a leader in its sector.

In 1994, CIB Unigas obtained ISO 9001 quality certification and product certification (CE marking), issued by the most authoritative European certification body (TÜV). This certification is the most comprehensive available in this industrial sector, covering design, production, marketing, and after-sales services. As a result, the company currently meets all national and international requirements to sell, market, and install its products worldwide.

Today, the company is managed by the founder's heirs Mr. Filippo Pancolini and Mr. Riccardo Pancolini, who ensure the continuity not only of the business but also of CIB Unigas' vision: developing technologies with the aim of protect our world and our future.**With over 200 employees, the company produces all its products at its Italian plant facility in Campodarsego (Padua), where its main activities of design, assembly and innovation take place.**

Thanks to the strong flexibility of its production and organizational structure, CIB Unigas is able to meet any demand quickly and according to the specific requirements that arise from the market. This means, not only the ability to produce in series, but above all, the creative strength to satisfy market demands—values that are at the core of the shared efforts at CIB Unigas.





SERIES G

LOW NOx

Low emissions (Class 3 - EN676)
Possibility of working with innovative fuels with low environmental impact, such as hydrogen
Wide modulation range

HEAD X

G225X / G270X / G325X	GAS	7
G225X / G270X / G325X	GAS / LIGHT OIL	11

ULTRA LOW NOx

Low emissions (Class 4 - EN676)
Wide modulation range

HEAD V

G270V / G330V	GAS	15

ULTRA LOW NOx PREMIX

Low emissions (Class 4 - EN676)
Wide modulation range

HEAD N

G200N / G215N / G240N	GAS	15

Bruciatori industriali ad alta flessibilità

Extensive flexibility
Adjustment flexibility
Ability to work with a variety of fuels
Many types of civil and industrial applications
Special applications and furnaces

HEAD A

G258A / G335A / G400A	GAS	19
G258A / G335A / G400A	GAS / LIGHT OIL	23

DESIGNATION M-. PR. SR. xx. A. 1. 50. EA. xxx.

FUEL
M - NATURAL GAS
L - L.P.G.
B - BIOGAS
C - TOWN GAS
G - LIGHT OIL
A - BIO DIESEL
K - KEROSENE
N - HEAVY OIL UP TO 50 cSt at 50°C (7°E - 50°C)
D - HEAVY OIL UP TO 400 cSt at 50°C (50°E - 50°C)

*** VARIOUS FUEL CONFIGURATIONS AVAILABLE IN THE DUAL-FUEL VERSION**

OPERATION
PR - PROGRESSIVE
MD - FULLY MODULATING

BLAST TUBE
S - STANDARD
M - STANDARD DUAL LENGTH BLAST TUBE
L - LONG

SP - Standard blast tube + ABS polymer (silenced) air intake
SR - Standard blast tube + ABS polymer (silenced) air intake
LP - Extended blast tube + aluminum air intake
LR - Extended blast tube + ABS polymer (silenced) air intake

DESTINATION COUNTRY
GB - UNITED KINGDOM
... AVAILABLE FOR OTHER COUNTRIES UPON REQUES

BURNER MANUFACTURE
A STANDARD
Y SPECIAL

G CONTROL PANEL AND JUNCTION BOX
E JUNCTION BOX

EQUIPMENT
0 2 GAS VALVES
1 2 GAS VALVES + LEAKAGE CONTROL
7 2 GAS VALVES + MAXIMUM GAS PRESSURE SWITCH
8 2 GAS VALVES + LEAKAGE CONTROL AND MAXIMUM GAS PRESSURE SWITCH

GAS CONNECTION
50 DN50
65 DN65
80 DN80
100 DN100
125 DN125

ELECTRONIC VERSION
EA Burners complete with electronic cam
EB Burners complete with electronic cam and inverter
EC Dual fuel burners complete with electronic cam
ED Dual fuel burners complete with electronic cam and inverter
ES Burners complete with electronic cam, without O_2 control, without inverter
EO Burners complete with electronic cam and O_2 control, without inverter
EI Burners complete with electronic cam and inverter, without O_2 control
EK Burners complete with electronic cam with O_2 control and with inverter
EF Burners complete with electronic cam and temperature-compensated flue gas recirculation FGR without O_2 monitoring, without inverter
EG Burners complete with electronic cam, inverter and temperature-compensated flue gas recirculation FGR without O_2 monitoring
EP Burners complete with electronic cam and temperature-compensated flue gas recirculation FGR witht O_2 monitoring, without inverter
ER Burners complete with electronic cam, inverter and temperature-compensated flue gas recirculation FGR with O_2 monitoring l

FLUE GAS RECIRCULATION
FGR Flue gas recirculation

SOME FEATURES ARE NOT INCLUDED IN THIS CATALOGUE

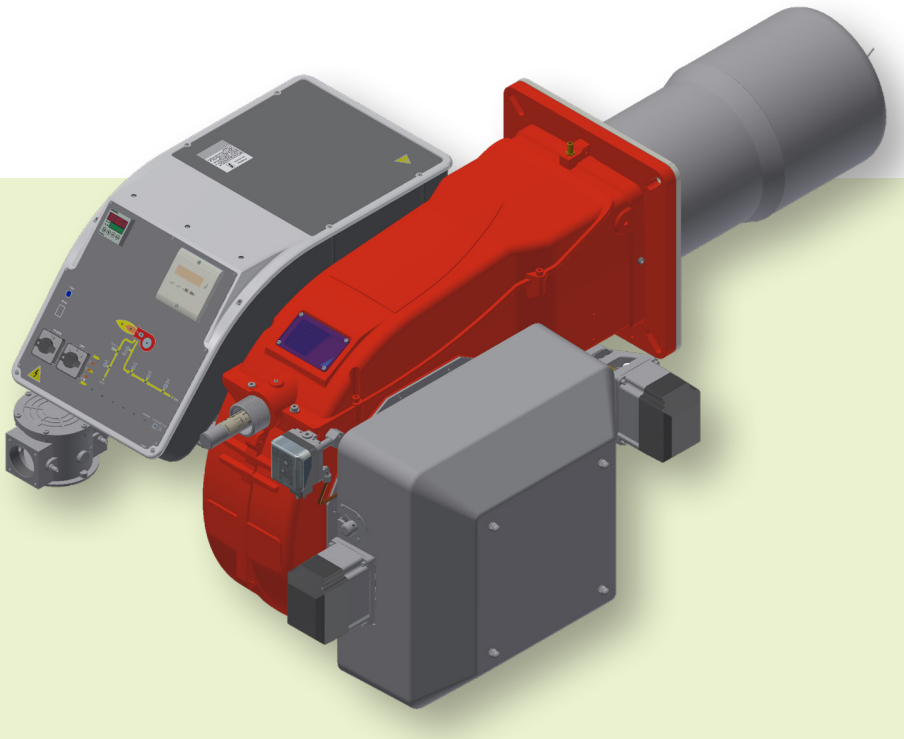
FOR CONFIGURATIONS OF BURNERS IN THE LAMTEC VERSION WITH O_2+CO OXYGEN CONTROL, PLEASE CONTACT OUR SALES DEPARTMENT.

HEAD X

G225X
G270X
G325X

Low NOx

- Low emissions (Class 3 - EN676)
- Possibility of working with innovative combustibles with low environmental impact such as
- Ample modulation range

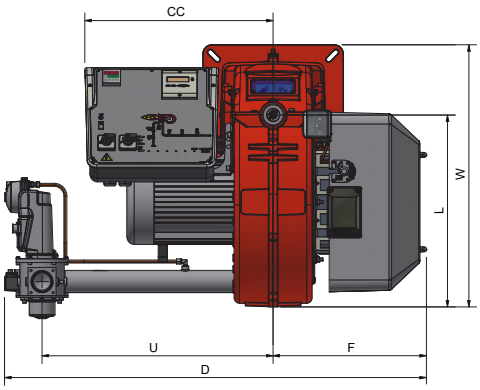


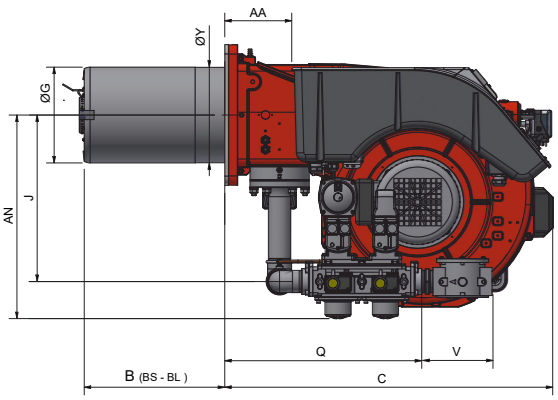
GAS

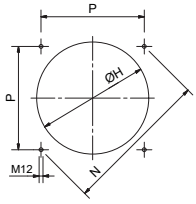
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Gas connections	Level of noise emissions dBA
G225X	M-.xx.xR.IT.A.1.xxx	230	2.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	2" - DN65 - DN80 - DN100	< 85
G270X	M-.xx.xR.IT.A.1.xxx	340	2.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	2" - DN65 - DN80 - DN100	< 85
G325X	M-.xx.xR.IT.A.1.xxx	620	3.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	2" - DN65 - DN80 - DN100	< 85

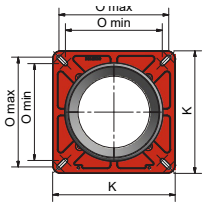
For information on choosing the length of the blast tube, refer to the Technical Information booklet.







BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
G225X	1680	1250	1050	275
G270X	1680	1250	1050	275
G325X	1680	1250	1050	280

***INDICATIVE VALUES**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																						
		AA	AN	B BS	B BL	C	CC	D	F	G	H	J	K	L	M	N	O min	O max	P	Q	U	V	W	Y
G225X	M-.xx.SR.IT.A,1.50	181	550	380	480	880	509	1118	393	259	289	450	380	518	M12	453	300	340	320	533	624	190	708	258
G225X	M-.xx.SR.IT.A.1.65	181	564	380	480	926	509	1364	393	259	289	447	380	518	M12	453	300	340	320	636	845	292	708	258
G225X	M-.xx.SR.IT.A.1.80	181	579	380	480	980	509	1395	393	259	289	447	380	518	M12	453	300	340	320	687	875	310	708	258
G225X	M-.xx.SR.IT.A.1.100	181	592	380	480	980	509	1558	393	259	289	447	380	518	M12	453	300	340	320	791	942	353	708	258
G270X	M-.xx.SR.IT.A.1.50	181	550	380	480	894	509	1139	414	259	289	450	380	518	M12	453	300	340	320	533	624	190	708	258
G270X	M-.xx.SR.IT.A.1.65	181	564	380	480	927	509	1385	414	259	289	447	380	518	M12	453	300	340	320	636	845	292	708	258
G270X	M-.xx.SR.IT.A.1.80	181	579	380	480	1021	509	1416	414	259	289	447	380	518	M12	453	300	340	320	687	875	310	708	258
G270X	M-.xx.SR.IT.A.1.100	181	592	380	480	1021	509	1611	414	259	289	447	380	518	M12	453	300	340	320	791	942	353	708	258
G325X	M-.xx.SR.IT.A.1.50	181	550	431	530	894	509	1139	414	284	314	450	380	518	M12	453	300	340	320	533	624	190	708	258
G325X	M-.xx.SR.IT.A.1.65	181	564	431	530	927	509	1385	414	284	314	447	380	518	M12	453	300	340	320	636	845	292	708	258
G325X	M-.xx.SR.IT.A.1.80	181	579	431	530	1021	509	1416	414	284	314	447	380	518	M12	453	300	340	320	687	875	310	708	258
G325X	M-.xx.SR.IT.A.1.100	181	592	431	530	1021	509	1611	414	284	314	447	380	518	M12	453	300	340	320	791	942	353	708	258

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

ELECTRONIC OPERATION

Model	Gas train	Operation
M-.PR.SR.IT.A.1.50.EA	2"	PR (*)
M-.PR.SR.IT.A.1.65.EA	DN65	PR (*)
M-.PR.SR.IT.A.1.80.EA	DN80	PR (*)
M-.PR.SR.IT.A.1.100.EA	DN100	PR (*)
M-.MD.SR.IT.A.1.50.ES	2"	MD
M-.MD.SR.IT.A.1.65.ES	DN65	MD
M-.MD.SR.IT.A.1.80.ES	DN80	MD
M-.MD.SR.IT.A.1.100.ES	DN100	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

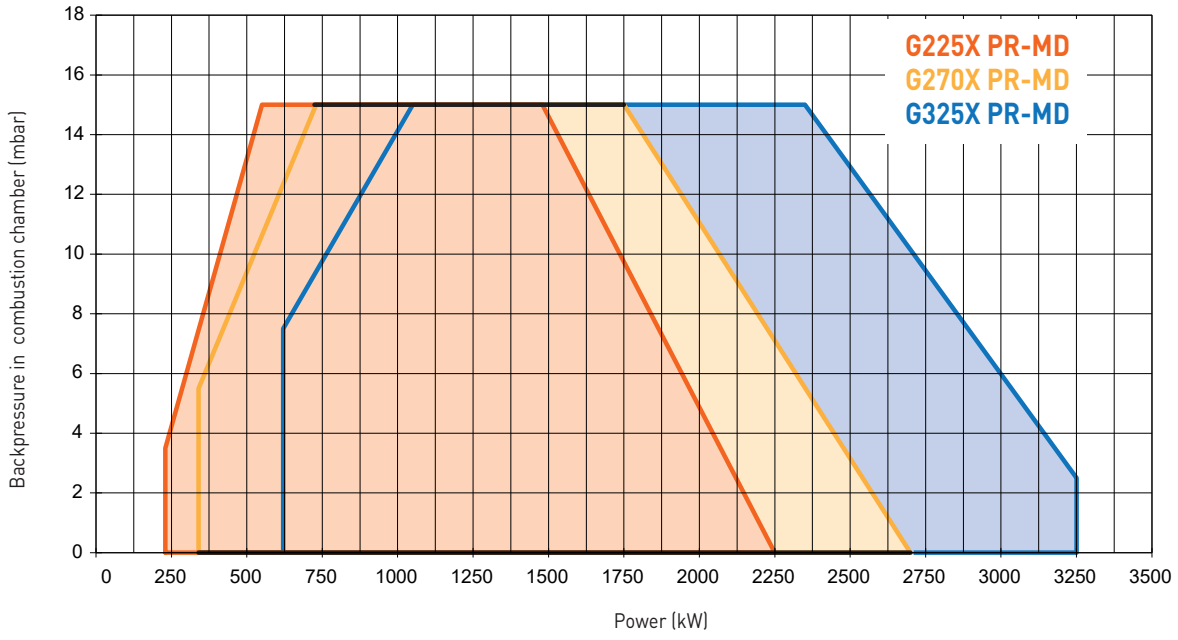
The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU

NOx emission level:
- Class 3 (<80 mg/kWh) in gas operation according to EN676

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, H_2

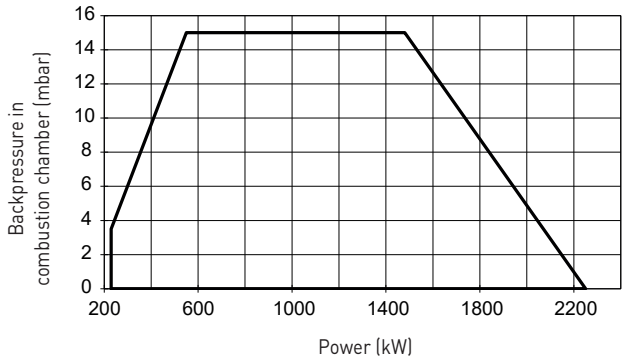
PERFORMANCE CURVES

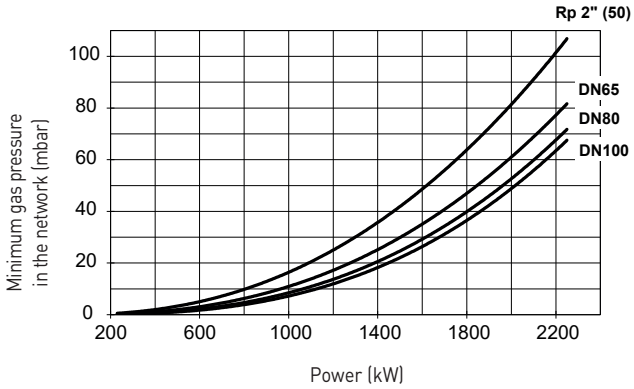


PERFORMANCE CURVES

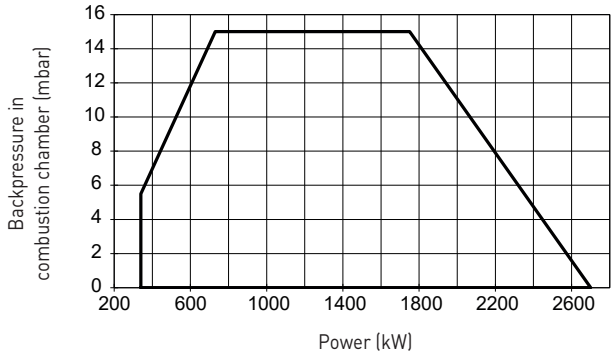
PRESSURE IN THE NETWORK

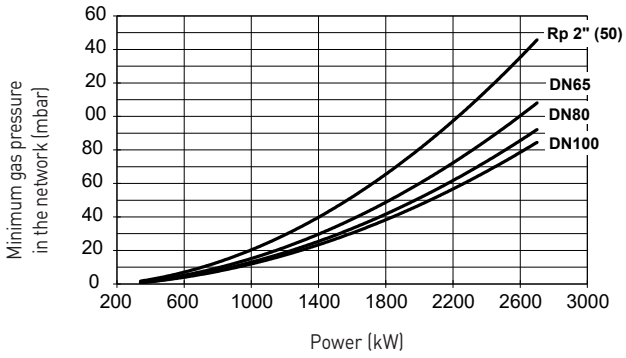
G225X PR-MD



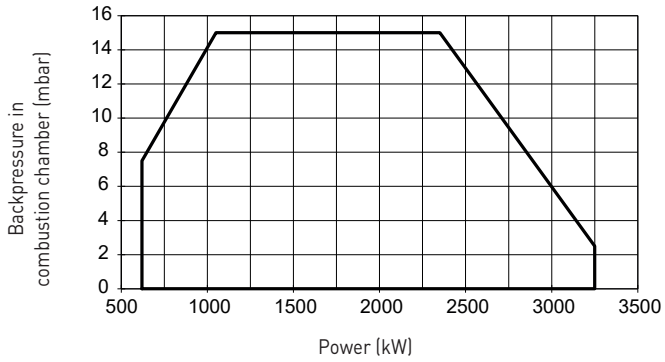


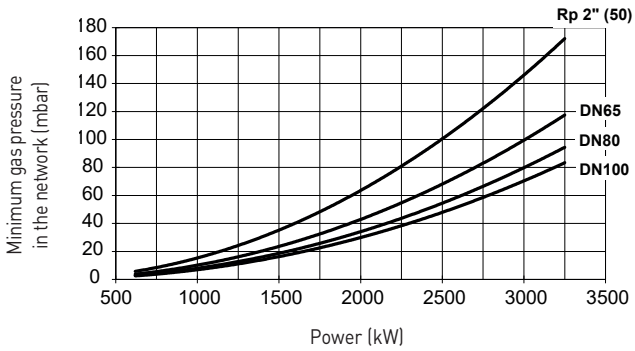
G270X PR-MD





G325X PR-MD





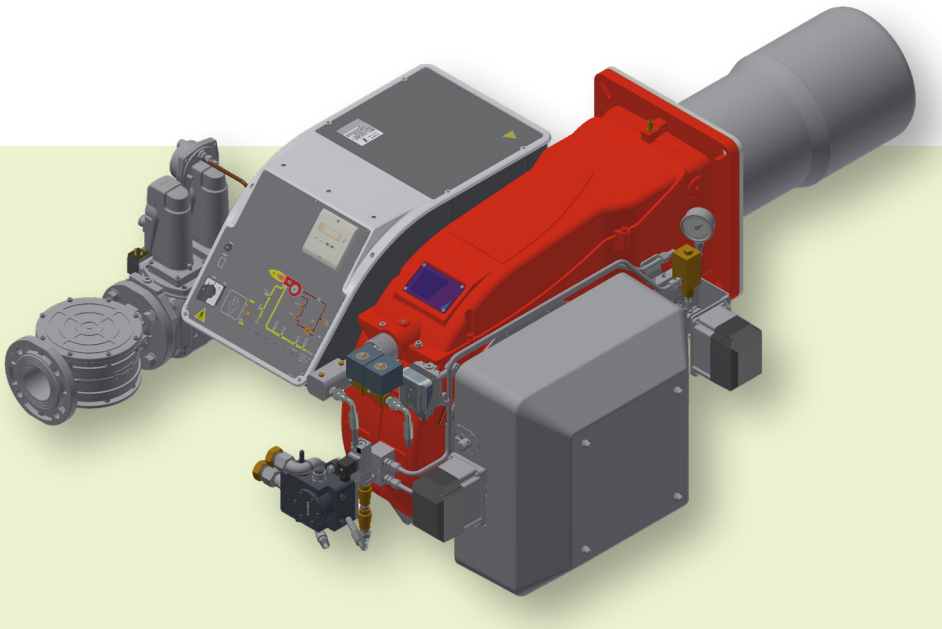
Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

HEAD X

G225X
G270X
G325X

Low NOx

- Low emissions (Class 3 - EN676)
- Possibility of working with innovative combustibles with low environmental impact such as
- Ample modulation range

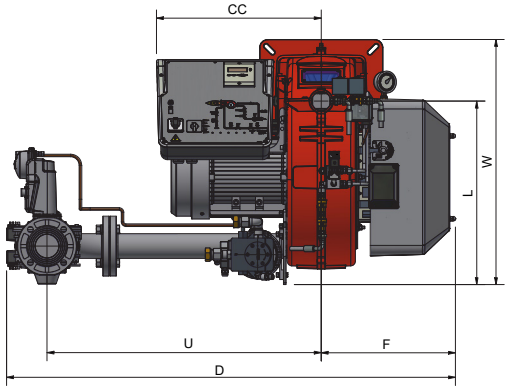


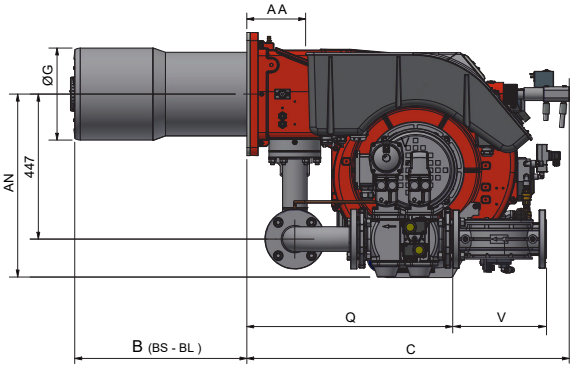
GAS / LIGHT OIL

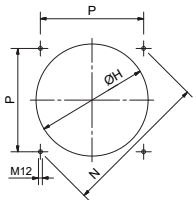
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Gas connections	Level of noise emissions dBA
G225X	MG.xx.xR.IT.A.1.xxx	230	2.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	1,1	2" - DN65 - DN80 - DN100	< 85
G270X	MG.xx.xR.IT.A.1.xxx	340	2.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	1,1	2" - DN65 - DN80 - DN100	< 85
G325X	MG.xx.xR.IT.A.1.xxx	620	3.250	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	1,1	2" - DN65 - DN80 - DN100	< 85

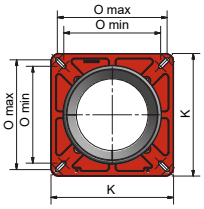
For information on choosing the length of the blast tube, refer to the Technical Information booklet.







BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
G225X	1680	1200	1050	325
G270X	1680	1200	1050	325
G325X	1680	1200	1050	330

*INDICATIVE VALUES

DIMENSIONS* (mm)

Type	Model	Overall dimensions																						
		AA	AN	B BS	B BL	C	CC	D	F	G	H	J	K	L	M	N	O min	O max	P	Q	U	V	W	Y
G225X	MG.xx.SR.IT.A.1.50	181	550	380	480	1070	509	1118	393	259	290	450	380	566	M12	453	300	340	320	533	624	190	756	258
G225X	MG.xx.SR.IT.A.1.65	181	564	380	480	1070	509	1344	393	259	290	447	380	566	M12	453	300	340	320	636	845	292	756	258
G225X	MG.xx.SR.IT.A.1.80	181	579	380	480	1070	509	1395	393	259	290	447	380	566	M12	453	300	340	320	687	875	310	756	258
G225X	MG.xx.SR.IT.A.1.100	181	592	380	480	1070	509	1558	393	259	290	447	380	566	M12	453	300	340	320	791	942	353	756	258
G270X	MG.xx.SR.IT.A.1.50	181	550	380	480	1070	509	1139	414	259	290	450	380	566	M12	453	300	340	320	533	624	190	756	258
G270X	MG.xx.SR.IT.A.1.65	181	564	380	480	1070	509	1385	414	259	290	447	380	566	M12	453	300	340	320	636	845	292	756	258
G270X	MG.xx.SR.IT.A.1.80	181	579	380	480	1070	509	1416	414	259	290	447	380	566	M12	453	300	340	320	687	875	310	756	258
G270X	MG.xx.SR.IT.A.1.100	181	592	380	480	1070	509	1611	414	259	290	447	380	566	M12	453	300	340	320	791	942	353	756	258
G325X	MG.xx.SR.IT.A.1.50	181	550	430	530	1070	509	1139	414	284	314	450	380	566	M12	453	300	340	320	533	624	190	756	258
G325X	MG.xx.SR.IT.A.1.65	181	564	430	530	1070	509	1385	414	284	314	447	380	566	M12	453	300	340	320	636	845	292	756	258
G325X	MG.xx.SR.IT.A.1.80	181	579	430	530	1070	509	1416	414	284	314	447	380	566	M12	453	300	340	320	687	875	310	756	258
G325X	MG.xx.SR.IT.A.1.100	181	592	430	530	1070	509	1611	414	284	314	447	380	566	M12	453	300	340	320	791	942	353	756	258

*INDICATIVE VALUES

Attention: - The size of the gas train varies according to size and configuration.

ELECTRONIC OPERATION

Model	Gas train	Operation
MG.PR.SR.IT.A.1.50.EC	2"	PR (*)
MG.PR.SR.IT.A.1.65.EC	DN65	PR (*)
MG.PR.SR.IT.A.1.80.EC	DN80	PR (*)
MG.PR.SR.IT.A.1.100.EC	DN100	PR (*)
MG.MD.SR.IT.A.1.50.ES	2"	MD
MG.MD.SR.IT.A.1.65.ES	DN65	MD
MG.MD.SR.IT.A.1.80.ES	DN80	MD
MG.MD.SR.IT.A.1.100.ES	DN100	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

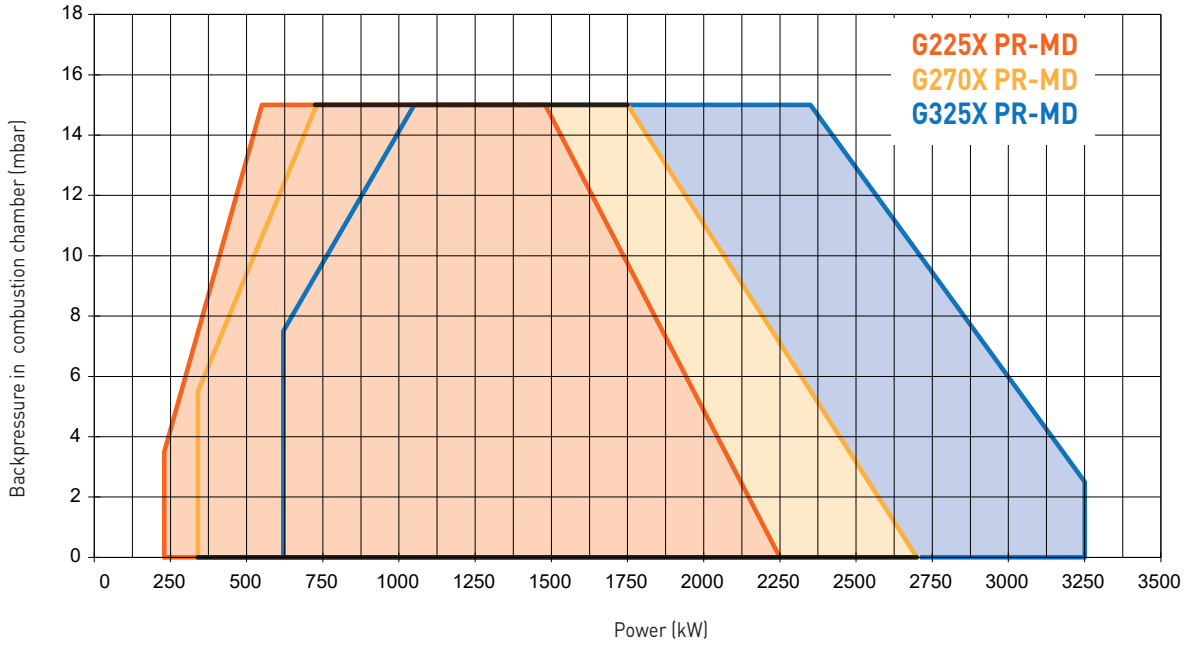
NOx emission level:
- Class 3 (<80 mg/kWh) in gas operation according to EN676
- Class 2 (< 185 mg/kWh) in light oil operation according to EN267

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, biogas, syngas, off gas, H_2

Burners also compatible with bio-oli

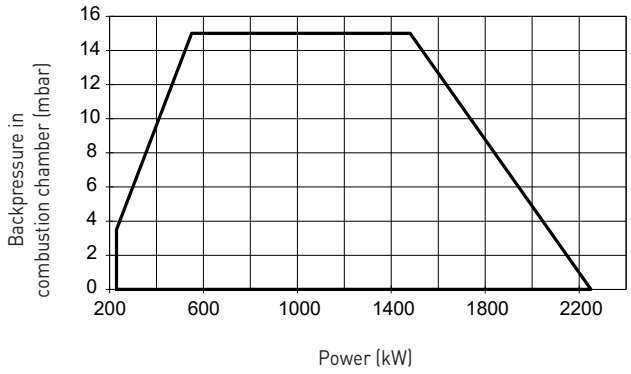
PERFORMANCE CURVES

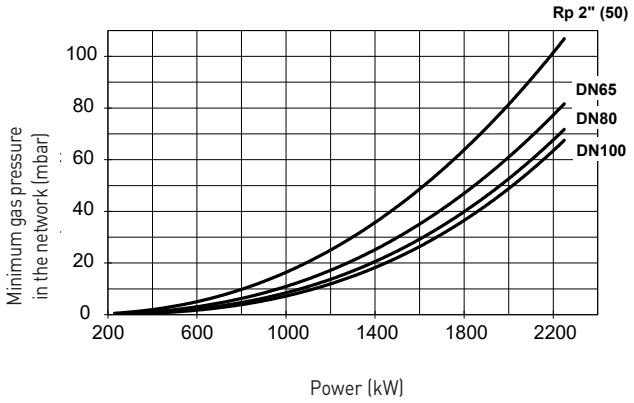


PERFORMANCE CURVES

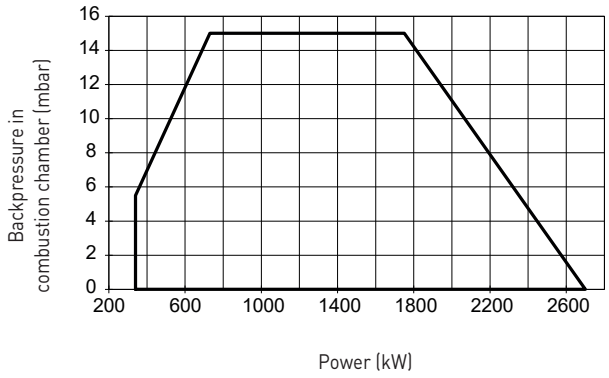
PRESSURE IN THE NETWORK

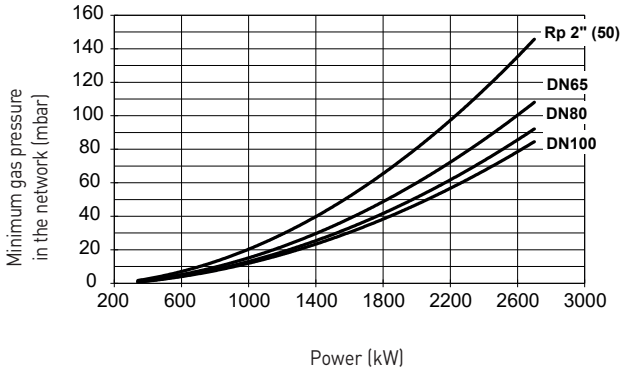
G225X PR-MD



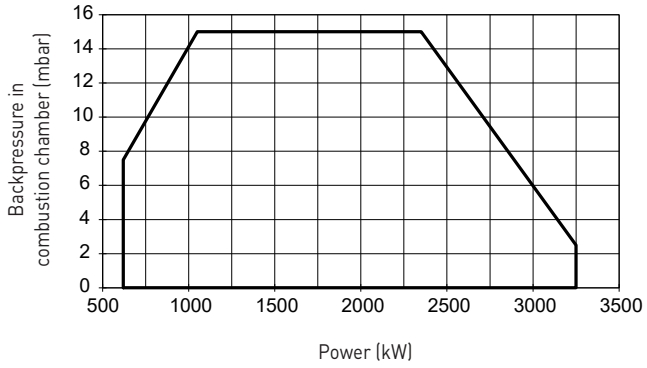


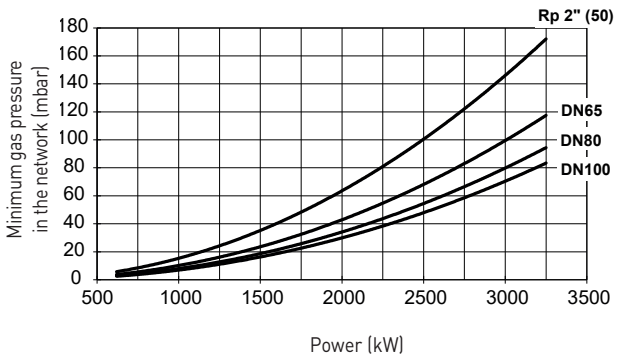
G270X PR-MD





G325X PR-MD





Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

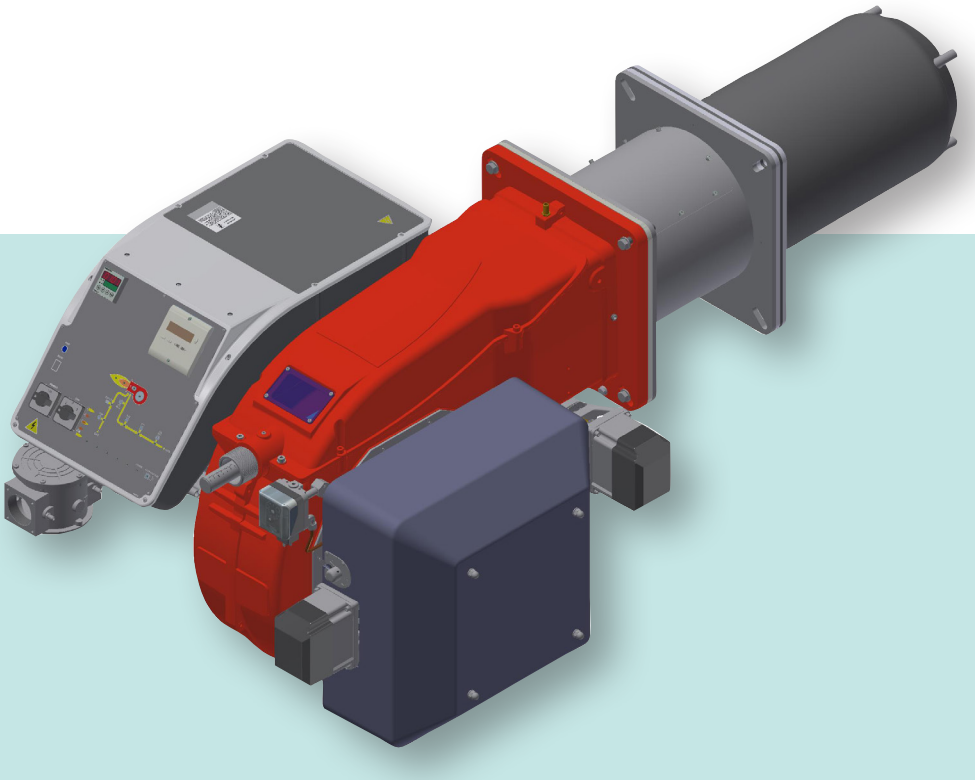
HEAD N

G270V
G330V

Ultra Low NOx

Low emissions (Class 4 - EN676)

Wide modulation range

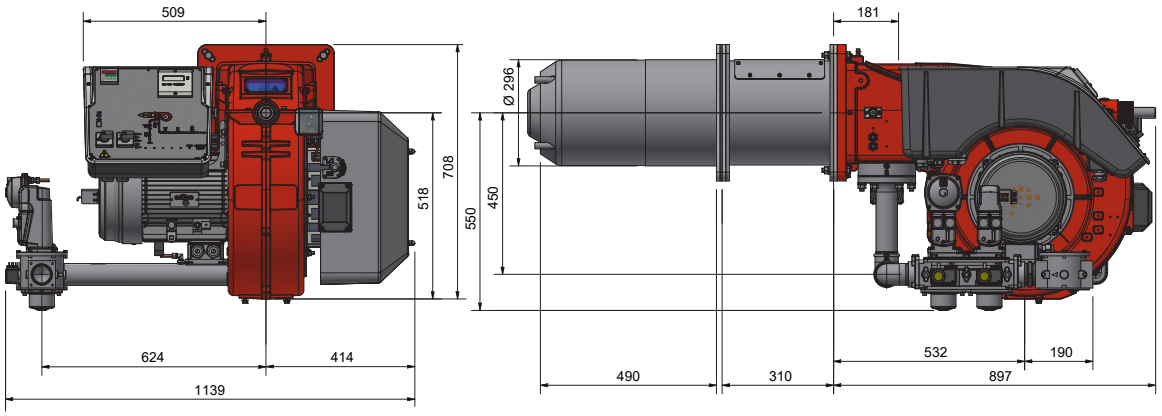


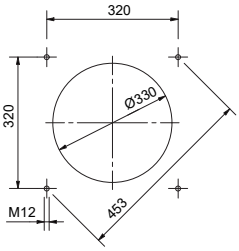
GAS

TECHNICAL SPECIFICATIONS

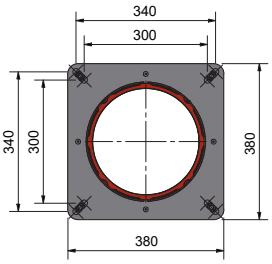
Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Gas connections	Level of noise emissions dBA
G270V	M-.xx.S.IT.A.1.xxx	350	2.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	2" - DN65 - DN80 - DN100	82,2
G330V	M-.xx.S.IT.A.1.65	850	3.330	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	2" - DN65 - DN80 - DN100	85,6

For information on choosing the length of the blast tube, refer to the Technical Information booklet.





BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

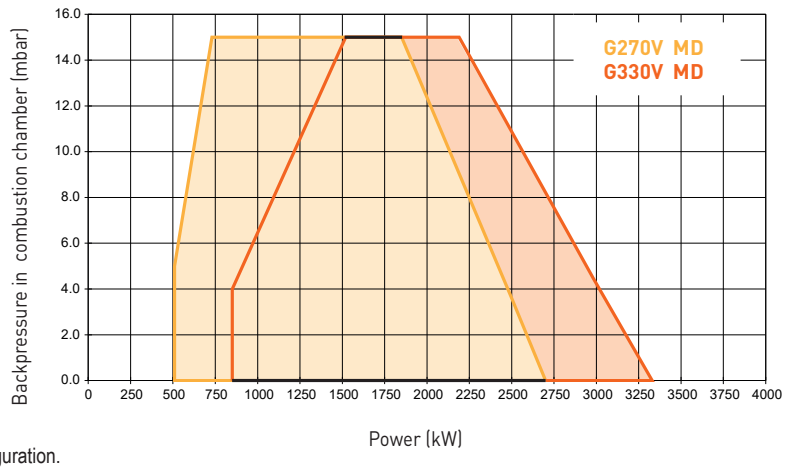
Type	l	p	h	kg
G270V	1680	1250	1050	275
G330V	1680	1250	1050	280

*INDICATIVE VALUES

ELECTRONIC OPERATION

Model	Gas train	Operation
M-.PR.SR.IT.A.1.50.EA	2"	PR (*)
M-.PR.SR.IT.A.1.65.EA	DN65	PR (*)
M-.PR.SR.IT.A.1.80.EA	DN80	PR (*)
M-.PR.SR.IT.A.1.100.EA	DN100	PR (*)
M-.MD.SR.IT.A.1.50.ES	2"	MD
M-.MD.SR.IT.A.1.65.ES	DN65	MD
M-.MD.SR.IT.A.1.80.ES	DN80	MD
M-.MD.SR.IT.A.1.100.ES	DN100	MD

PERFORMANCE CURVES



Attention: - The size of the gas train varies according to size and configuration.

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU

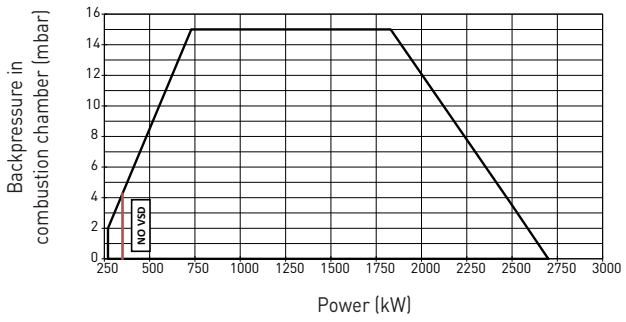
NOx emission level:
- Class 4 (<60 mg/kWh) in gas operation according to EN676

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

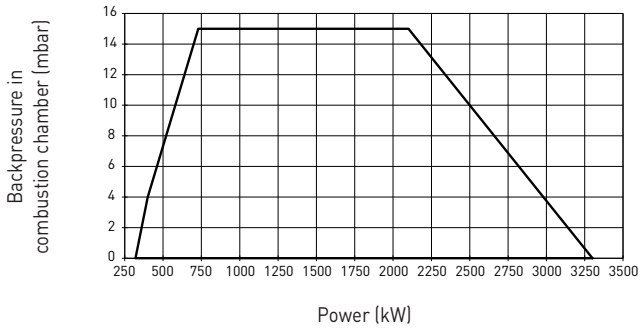
Burners also compatible with GPL, H_2

PERFORMANCE CURVES

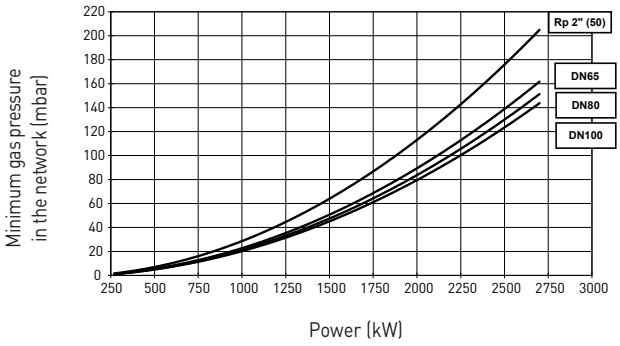
G270V

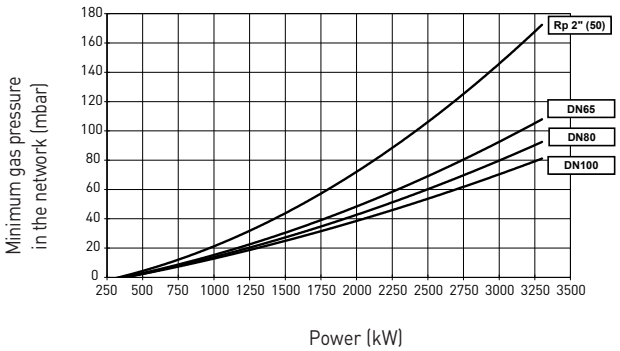


G330V



PRESSURE IN THE NETWORK





Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

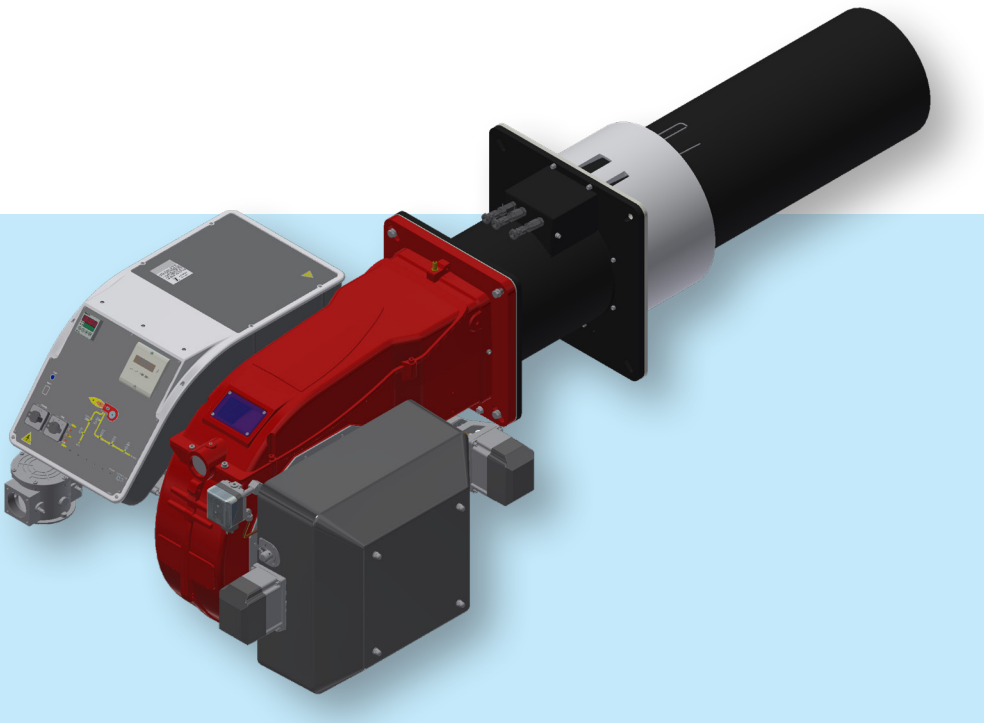
HEAD N

G200N
G215N
G240N

Ultra Low NOx Premix

Low emissions (Class 4 - EN676)

Wide modulation range

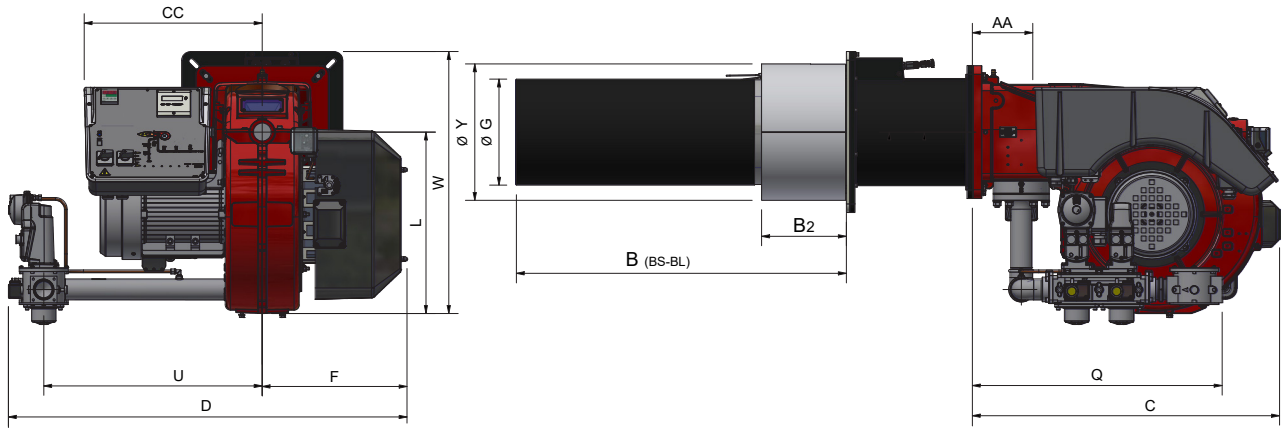


GAS

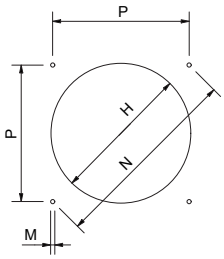
TECHNICAL SPECIFICATIONS

Type	Power kW min	Power kW max	Power supply output	Power supply aux	Fan motor kW	Gas connections	Level of noise emissions dBA
G200N	146	1980	400V 3 AC 50 Hz	230V 2 AC 50 Hz	4	Rp 2", DN65, DN80, DN100	⩽ 85
G215N	145	2135	400V 3 AC 50 Hz	230V 2 AC 50 Hz	5,5	Rp 2", DN65, DN80, DN100	⩽ 85
G240N	210	2433	400V 3 AC 50 Hz	230V 2 AC 50 Hz	7,5	Rp 2", DN65, DN80, DN100	⩽ 85

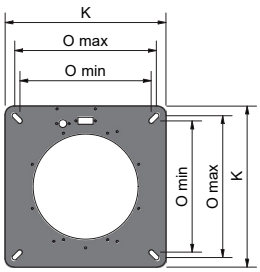
For information on choosing the length of the blast tube, refer to the Technical Information booklet.



BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE



DIMENSIONS* (mm)

Type	DN	Overall dimensions																				
		AA	AN	B	B2	C	CC	D	F	G	H	J	K	L	M	N	O min	O max	P	Q	U	W	Y
G200N	DN50	173	550	810	212	874	509	1117	392	303	400	450	460	518	M12	552	375	405	390	524	624	748	390
G215N	DN50	173	550	810	212	874	509	1117	393	303	400	450	460	518	M12	552	375	405	390	714	624	748	390
G240N	DN50	173	550	943	212	878	509	1139	414	303	400	450	460	518	M12	552	375	405	390	714	624	748	390

***INDICATIVE VALUES**

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU

NOx emission level:
- <30 mg/kWh in gas operation

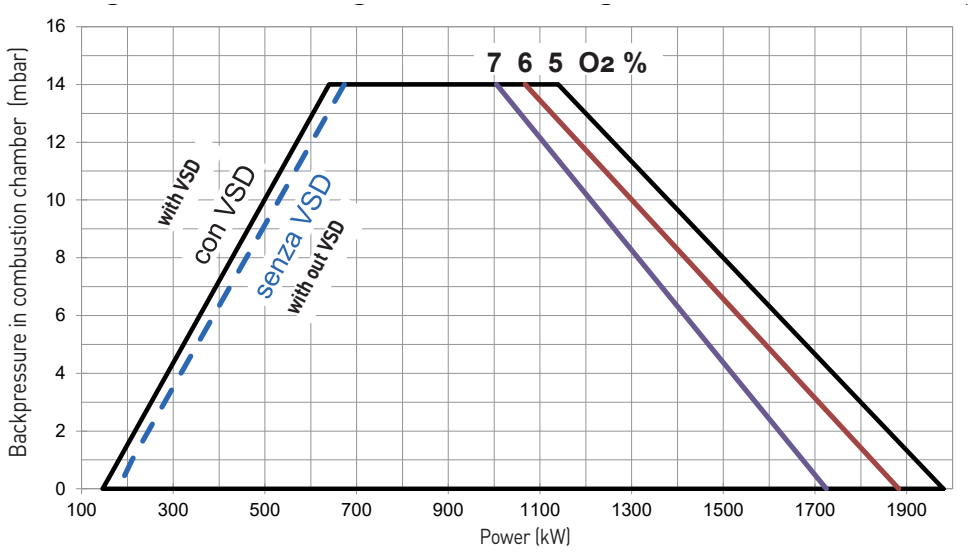
Burners also compatible with GPL, H_2

Refer to the Technical Information booklet for choice of blast tube length.

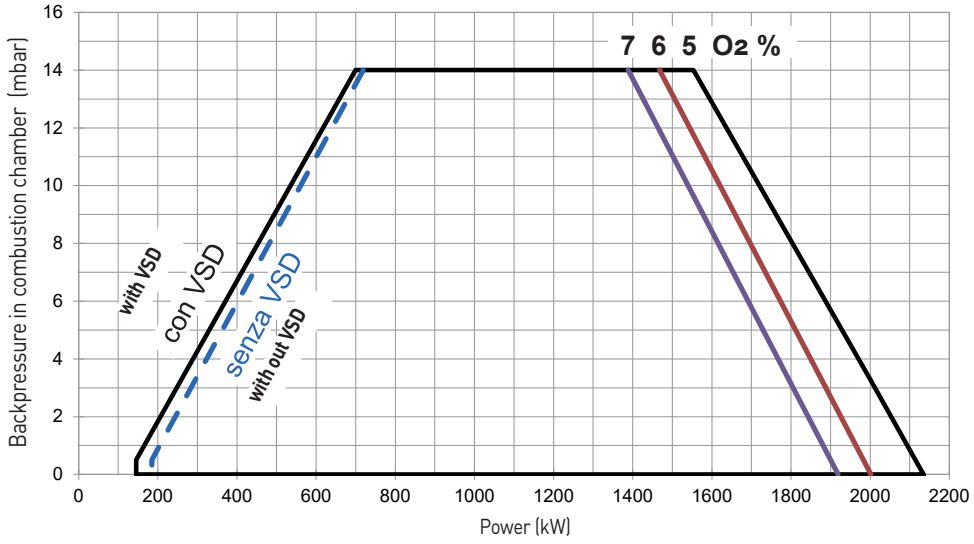
Attention: - The size of the gas train varies according to size and configuration.

PERFORMANCE CURVES

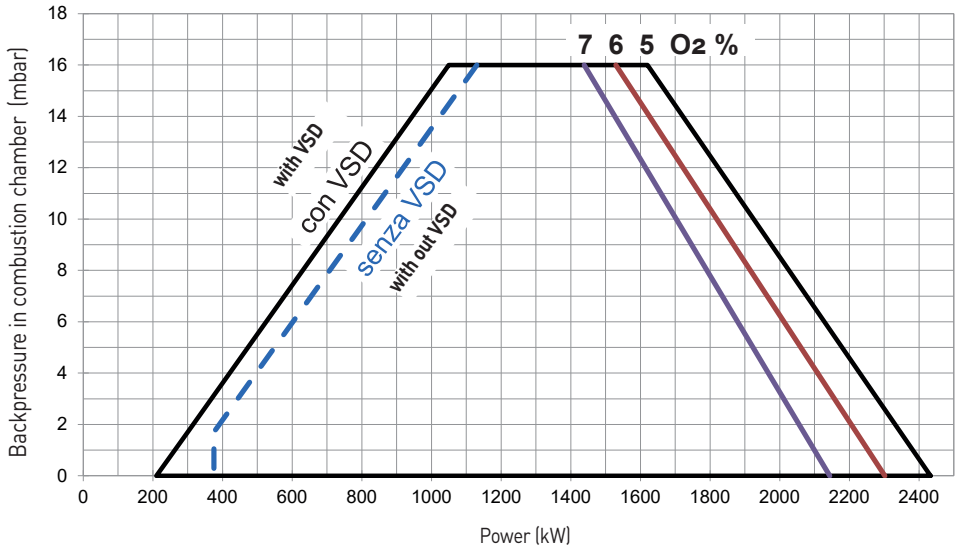
G200N PR-MD



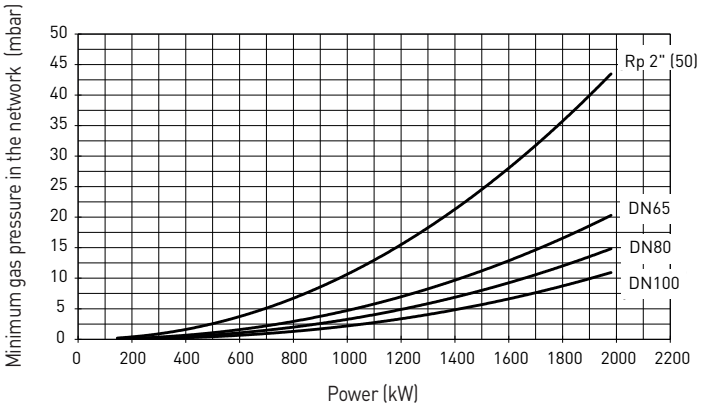
G215N PR-MD

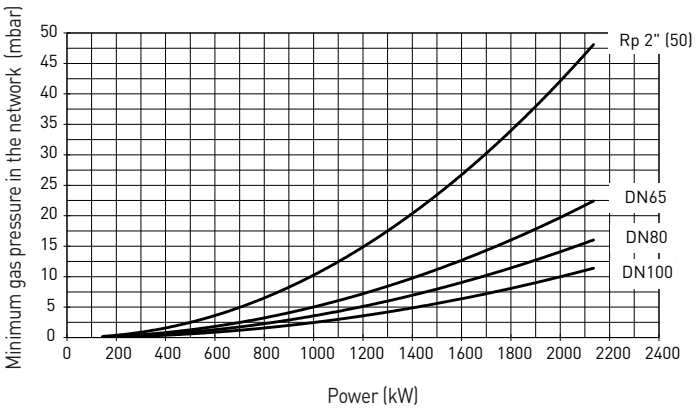


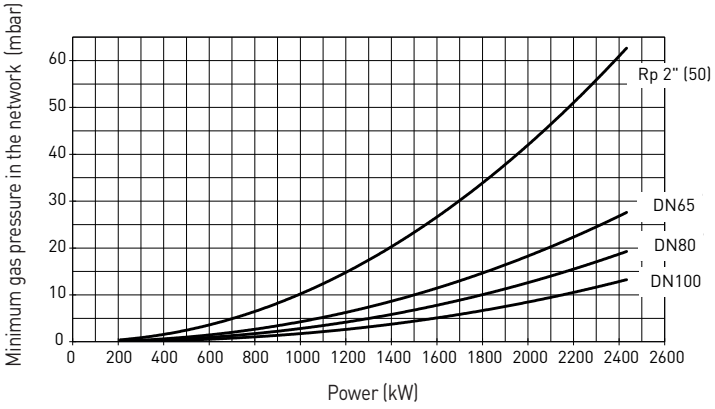
G240N PR-MD



MINIMUM GAS PRESSURE AT THE BURNER INLET







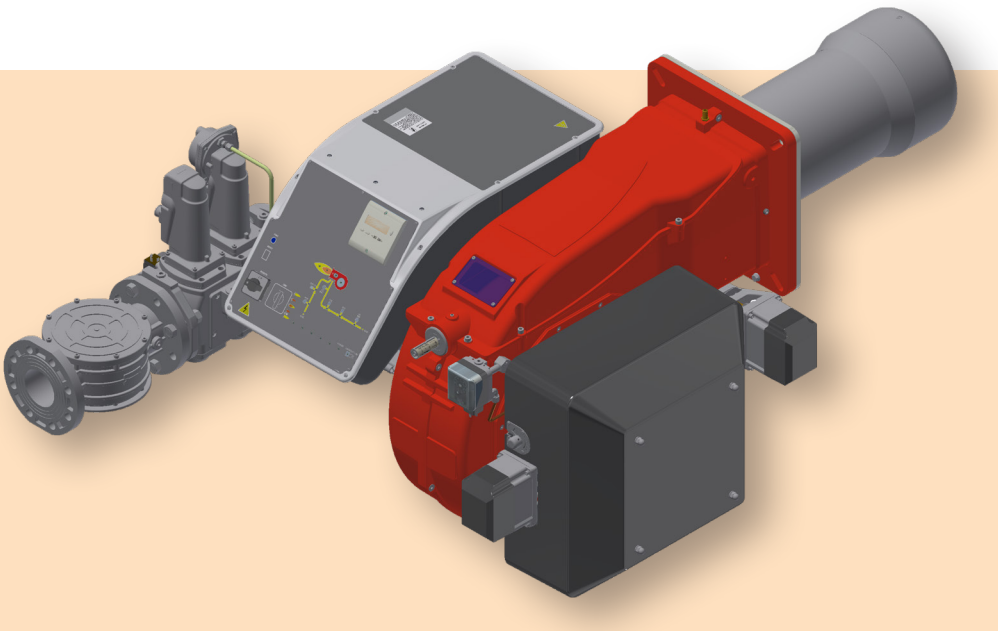
Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

HEAD A

G258A
G335A
G400A

Highly flexible burners

- Extensive flexibility
- Adjustment flexibility
- Possibility of working with all types of vacuum furnaces
- Many types of civil and industrial applications

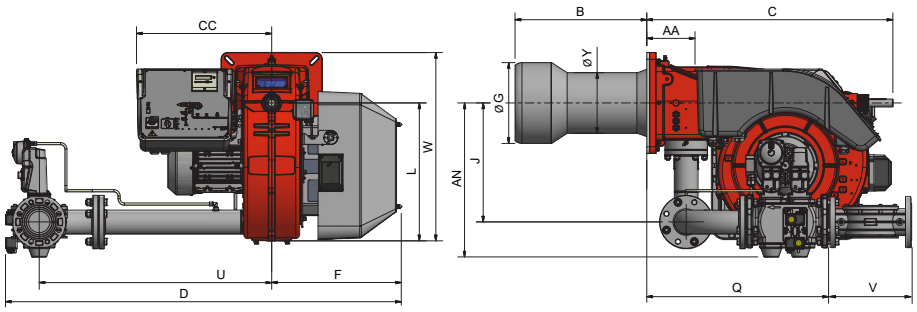


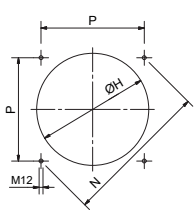
GAS

TECHNICAL SPECIFICATIONS

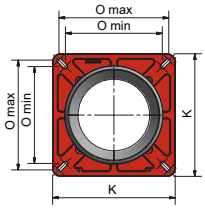
Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Gas connections	Level of noise emissions dBA
G258A	M-.xx.SR.IT.A.1.xxx	165	2.580	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	4	2" - DN65 - DN80 - DN100	< 85
G335A	M-.xx.SR.IT.A.1.xxx	280	3.350	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	2" - DN65 - DN80 - DN100	< 85
G400A	M-.xx.SR.IT.A.1.xxx	580	4.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	2" - DN65 - DN80 - DN100	< 85

For information on choosing the length of the blast tube, refer to the Technical Information booklet.





BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
G258A	1780	1200	1020	270
G335A	1780	1200	1020	275
G400A	1780	1200	1020	280

*** INDICATIVE VALUES (REFERRED TO THE MODEL WITH DN80 GAS TRAIN)**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																					
		AA	AN	B	C	CC	D	F	G	H	J	K	L	M	N	O min	O max	P	Q	U	V	W	Y
G258A	M-.xx.SR.IT.A.1.50	181	550	460	886	509	1118	392	254	284	450	380	518	M12	453	300	340	320	533	624	190	708	210
G258A	M-.xx.SR.IT.A.1.65	181	567	460	924	509	1364	392	254	284	447	380	518	M12	453	300	340	320	636	845	292	708	210
G258A	M-.xx.SR.IT.A.1.80	181	582	460	996	509	1395	392	254	284	447	380	518	M12	453	300	340	320	687	875	310	708	210
G258A	M-.xx.SR.IT.A.1.100	181	595	460	1119	509	1569	392	254	284	447	380	518	M12	453	300	340	320	791	942	353	708	210
G335A	M-.xx.SR.IT.A.1.50	181	550	460	886	509	1139	414	254	344	450	380	518	M12	453	300	340	320	533	624	190	708	210
G335A	M-.xx.SR.IT.A.1.65	181	567	460	924	509	1385	414	254	344	447	380	518	M12	453	300	340	320	636	845	292	708	210
G335A	M-.xx.SR.IT.A.1.80	181	582	460	996	509	1416	414	254	344	447	380	518	M12	453	300	340	320	687	875	310	708	210
G335A	M-.xx.SR.IT.A.1.100	181	595	460	1119	509	1569	414	254	344	447	380	518	M12	453	300	340	320	791	942	353	708	210
G400A	M-.xx.SR.IT.A.1.50	181	550	500	886	509	1139	414	304	344	447	380	518	M12	453	300	340	320	533	624	190	708	228
G400A	M-.xx.SR.IT.A.1.65	181	567	500	924	509	1385	414	304	344	447	380	518	M12	453	300	340	320	636	845	292	708	228
G400A	M-.xx.SR.IT.A.1.80	181	582	500	996	509	1416	414	304	344	447	380	518	M12	453	300	340	320	687	875	310	708	228
G400A	M-.xx.SR.IT.A.1.100	181	595	500	1119	509	1569	414	304	344	447	380	518	M12	453	300	340	320	791	942	353	708	228

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

MECHANICAL OPERATION

Model	Gas train	Operation
M.PR.SR.IT.A.1.50	2"	PR (*)
M.PR.SR.IT.A.1.65	DN65	PR (*)
M.PR.SR.IT.A.1.80	DN80	PR (*)
M.PR.SR.IT.A.1.100	DN100	PR (*)

ELECTRONIC OPERATION

Model	Gas train	Operation
M.PR.SR.IT.A.1.50.EA	2"	PR (*)
M.PR.SR.IT.A.1.65.EA	DN65	PR (*)
M.PR.SR.IT.A.1.80.EA	DN80	PR (*)
M.PR.SR.IT.A.1.100.EA	DN100	PR (*)
M.MD.SR.IT.A.1.50.ES	2"	MD
M.MD.SR.IT.A.1.65.ES	DN65	MD
M.MD.SR.IT.A.1.80.ES	DN80	MD
M.MD.SR.IT.A.1.100.ES	DN100	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

In the MD modulating version, the burner must be equipped with the relevant modulating probe to complete the supply.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

(2) For the following versions, please contact our offices.

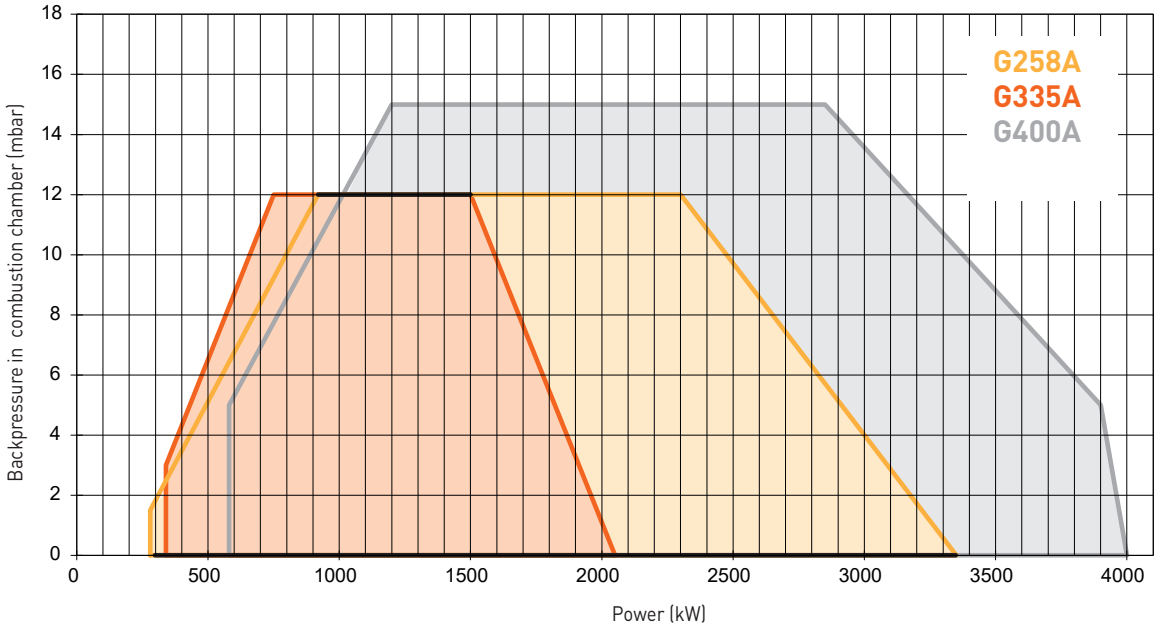
The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU

NOx emission level:
- Class 2 (<120 mg/kWh) in gas operation according to EN676

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, biogas, syngas, off gas

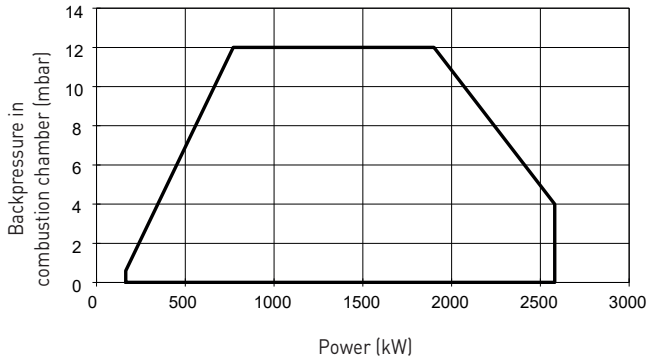
PERFORMANCE CURVES

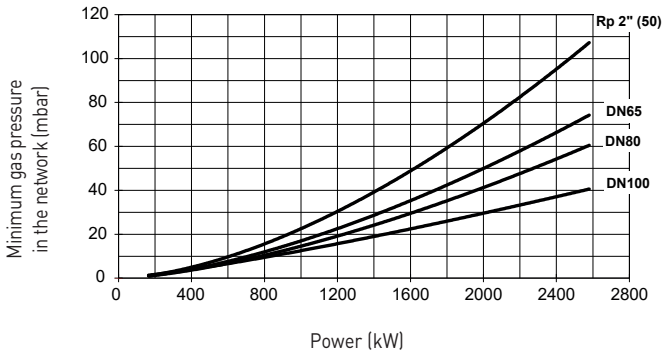


PERFORMANCE CURVES

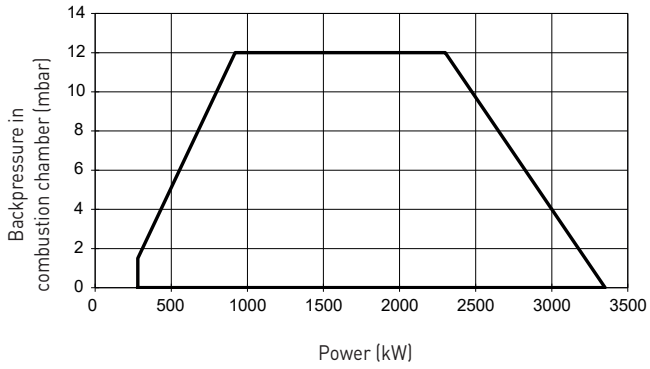
PRESSURE IN THE NETWORK

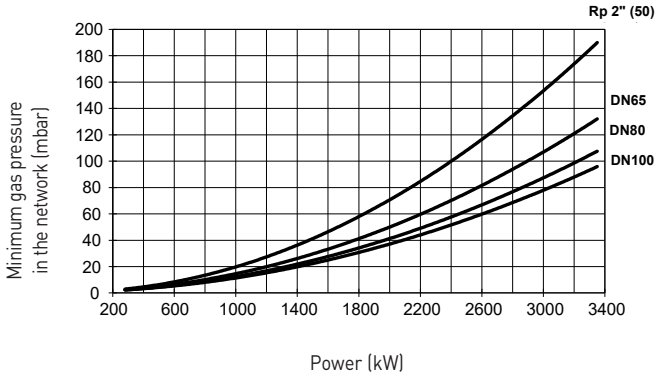
G258A PR-MD



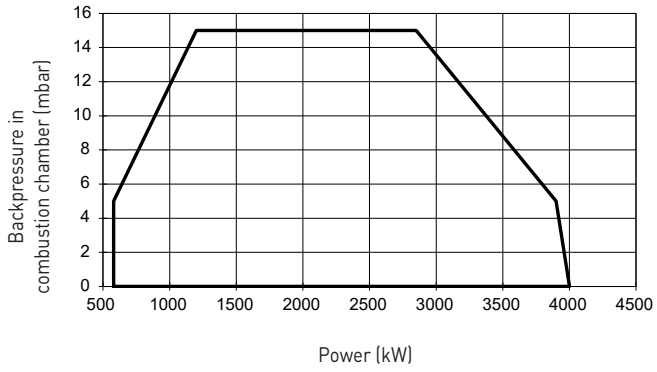


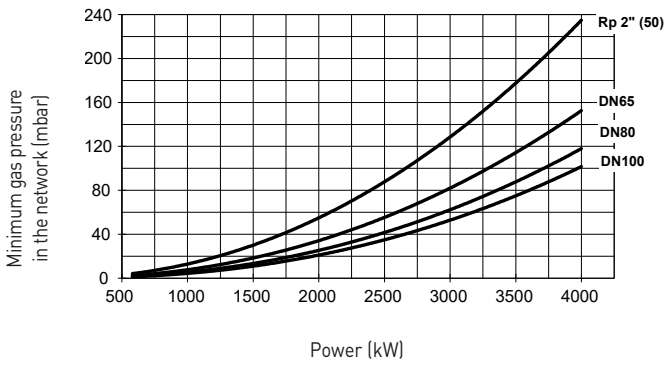
G335A PR-MD





G400A PR-MD





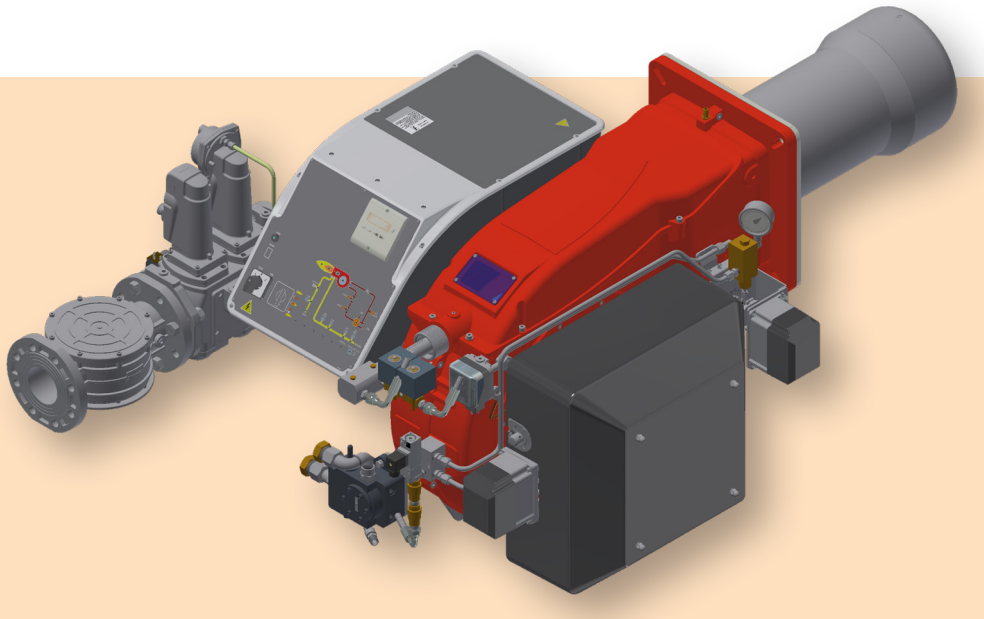
Attention:
- The working range values were determined with reference to laboratory tests with natural gas of lower calorific value Hi=34.02 MJ/Stm³ and density 0.714 kg/Stm³, (Stm³ refers to 1013 mbar and 15° C) and ambient conditions 1013 mbar and 20° C.
- To know the minimum gas pressure in the network, it is necessary to add the boiler back pressure to the value read on the curve.
- The pressure values vary depending on the configuration of the gas ramp. The minimum gas pressure curves refer to gas ramps assembled with standard supply valves.
- In the abscissa is the power value, in the ordinate the corresponding network pressure value net of the pressure in the combustion chamber. In order to know the mi nimum pressure at the ramp inlet, necessary to obtain the required gas flow, the pressure in the combustion chamber must be added to the value read on the ordinate.

HEAD A

G258A
G335A
G400A

Highly flexible burners

- Extensive flexibility
- Adjustment flexibility
- Possibility of working with all types of vacuum furnaces
- Many types of civil and industrial applications

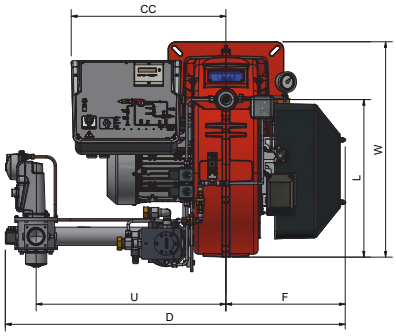


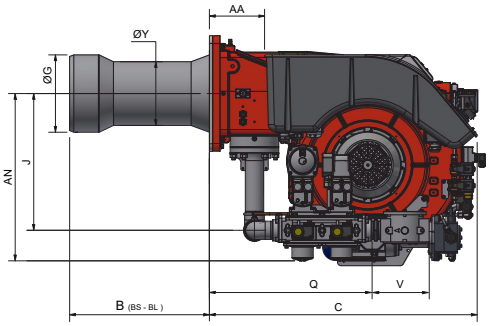
GAS / LIGHT OIL

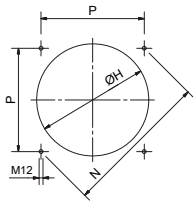
TECHNICAL SPECIFICATIONS

Type	Model	Power kW min	Power kW max	Power supply single-phase electricity auxiliary	Power supply three-phase electric motor	Fan motor kW	Pump motor kW	Gas connections	Level of noise emissions dBA
G258A	MG.xx.SR.IT.A.1.xxx	165	2.580	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	4	1,1	2" - DN65 - DN80 - DN100	< 85
G335A	MG.xx.SR.IT.A.1.xxx	280	3.350	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	1,1	2" - DN65 - DN80 - DN100	< 85
G400A	MG.xx.SR.IT.A.1.xxx	580	4.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	1,1	2" - DN65 - DN80 - DN100	< 85

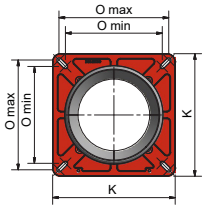
For information on choosing the length of the blast tube, refer to the Technical Information booklet.



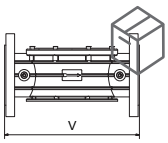




BOILER RECOMMENDED DRILLING TEMPLATE



BURNER FLANGE



DN65 - DN80

PACKAGING DIMENSIONS* (mm)

Type	l	p	h	kg
G258A	1780	1200	1020	320
G335A	1780	1200	1020	325
G400A	1780	1200	1020	330

*** INDICATIVE VALUES (REFERRED TO THE MODEL WITH DN80 GAS TRAIN)**

DIMENSIONS* (mm)

Type	Model	Overall dimensions																					
		AA	AN	B	C	CC	D	F	G	H	J	K	L	M	N	O min	O max	P	Q	U	V	W	Y
G258A	MG.xx.SR.IT.A.1.50	181	550	460	1072	509	1118	392	254	284	450	380	518	M12	453	300	340	320	533	624	190	708	210
G258A	MG.xx.SR.IT.A.1.65	181	564	460	1072	509	1364	392	254	284	447	380	518	M12	453	300	340	320	636	845	292	708	210
G258A	MG.xx.SR.IT.A.1.80	181	579	460	1072	509	1395	392	254	284	447	380	518	M12	453	300	340	320	687	875	310	708	210
G258A	MG.xx.SR.IT.A.1.100	181	592	460	1072	509	1474	392	254	284	447	380	518	M12	453	300	340	320	791	942	353	708	210
G335A	MG.xx.SR.IT.A.1.50	181	550	460	1072	509	1139	392	254	284	450	380	518	M12	453	300	340	320	533	624	190	708	210
G335A	MG.xx.SR.IT.A.1.65	181	564	460	1072	509	1385	392	254	284	447	380	518	M12	453	300	340	320	636	845	292	708	210
G335A	MG.xx.SR.IT.A.1.80	181	579	460	1072	509	1416	392	254	284	447	380	518	M12	453	300	340	320	687	875	310	708	210
G335A	MG.xx.SR.IT.A.1.100	181	592	460	1072	509	1474	392	254	284	447	380	518	M12	453	300	340	320	791	942	353	708	210
G400A	MG.xx.SR.IT.A.1.50	181	550	500	1072	509	1139	414	304	344	450	380	518	M12	453	300	340	320	533	624	190	708	228
G400A	MG.xx.SR.IT.A.1.65	181	564	500	1072	509	1385	414	304	344	447	380	518	M12	453	300	340	320	636	845	292	708	228
G400A	MG.xx.SR.IT.A.1.80	181	579	500	1072	509	1416	414	304	344	447	380	518	M12	453	300	340	320	687	875	310	708	228
G400A	MG.xx.SR.IT.A.1.100	181	592	500	1072	509	1499	414	304	344	447	380	518	M12	453	300	340	320	791	942	353	708	228

***INDICATIVE VALUES**

Attention: - The size of the gas train varies according to size and configuration.

MECHANICAL OPERATION

Model	Gas train	Operation
MG.PR.SR.IT.A.1.50	2"	PR (*)
MG.PR.SR.IT.A.1.65	DN65	PR (*)
MG.PR.SR.IT.A.1.80	DN80	PR (*)
MG.PR.SR.IT.A.1.100	DN100	PR (*)

ELECTRONIC OPERATION

Model	Gas train	Operation
MG.PR.SR.IT.A.1.50.EC	2"	PR (*)
MG.PR.SR.IT.A.1.65.EC	DN65	PR (*)
MG.PR.SR.IT.A.1.80.EC	DN80	PR (*)
MG.PR.SR.IT.A.1.100.EC	DN100	PR (*)
MG.MD.SR.IT.A.1.50.ES	2"	MD
MG.MD.SR.IT.A.1.65.ES	DN65	MD
MG.MD.SR.IT.A.1.80.ES	DN80	MD
MG.MD.SR.IT.A.1.100.ES	DN100	MD

SP = Standard blast tube + aluminum air intake (1)
SR = Standard blast tube + ABS polymer (silenced) air intake
LP = Extended blast tube + aluminum air intake
LR = Extended blast tube + ABS polymer (silenced) air intake (2)
PR = Progressive Adjustment
MD (*) = Modulating adjustment
(for the MD modulating version, the Modulation Kit must be added; see the list of variants)

Modulation kit = Kit to be combined with PR Progressive versions

Nella versione modulante MD per completare la fornitura è necessario corredare il bruciatore della relativa sonda modulante.

For LPG burners, see the list of variants

(1) For applications on furnaces and rotary drums, see the version with aluminium drawer (SP). Contact Cib Unigas for any clarification.

The products comply with European standards EN676 and EN267 and the following directives:
DIRECTIVE GAR 2016/426/EU
DIRECTIVE Low Tension 2014/35/UE
DIRECTIVE Electromagnetic compatibility 2014/30/UE
DIRECTIVE Machinery 2006/42/CE

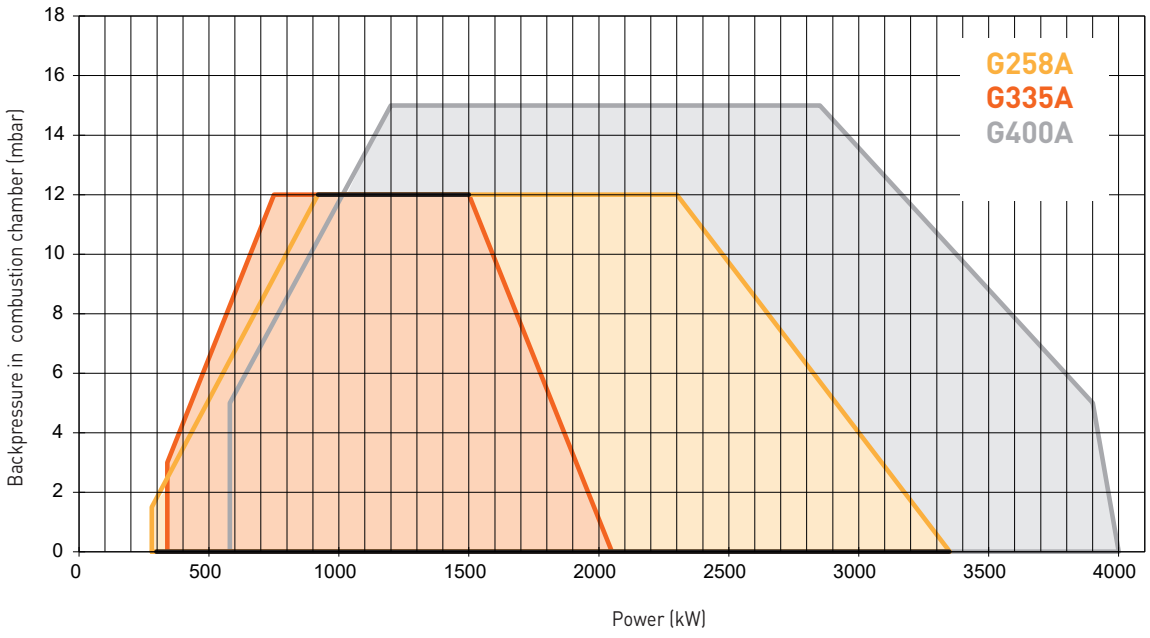
NOx emission level:
- Class 2 (<120 mg/kWh) in gas operation according to EN676
- Class 1 (< 250 mg/kWh) in light oil operation according to EN267

For information on choosing the length of the blast tube, refer to the Technical Information booklet.

Burners also compatible with GPL, biogas, syngas, off gas, H_2

Burners also compatible with bio-oli

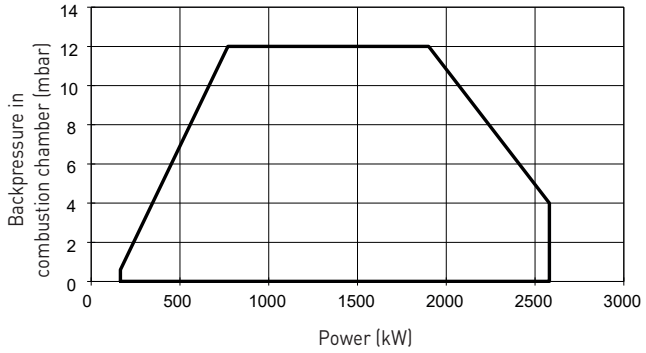
PERFORMANCE CURVES

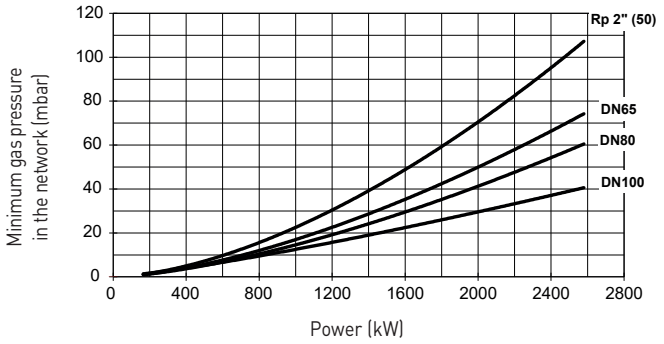


PERFORMANCE CURVES

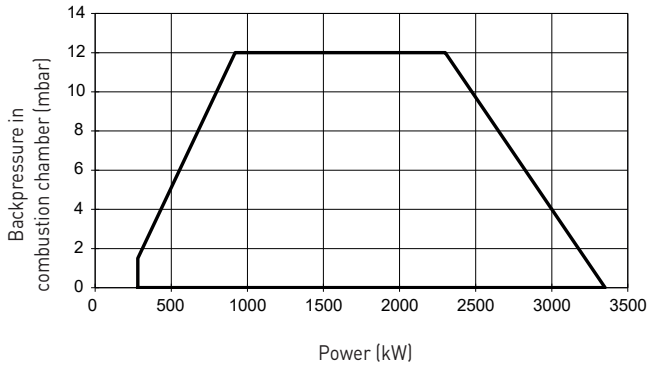
PRESSURE IN THE NETWORK

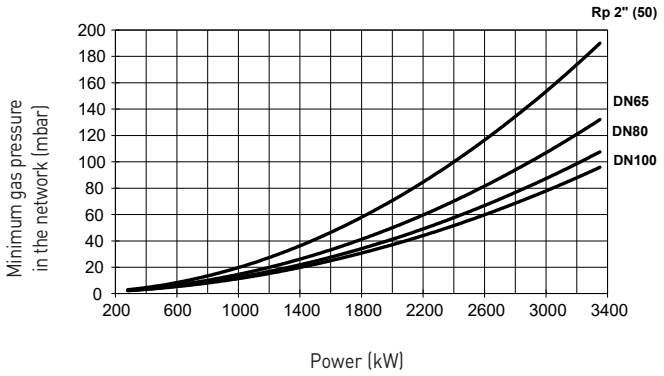
G258A PR-MD



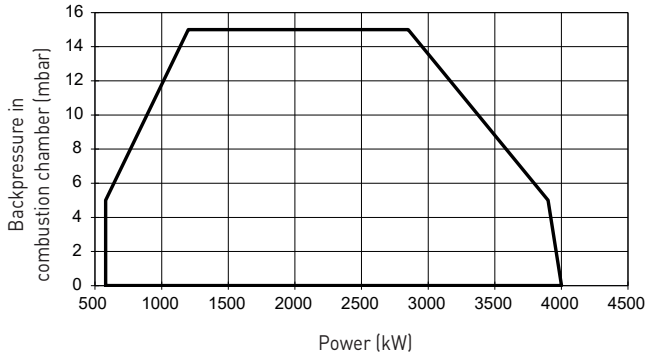


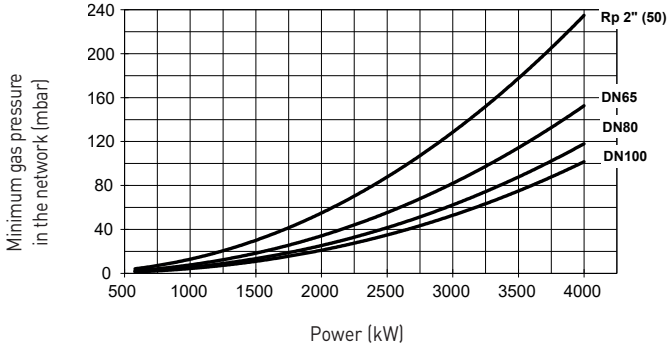
G335A PR-MD





G400A PR-MD





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Note: specifications and data subject to change.
Errors and omissions excepted.