

Monoblock burners for heating, commercial and light industry applications

Technical information

VECTRON G1 to G6 (14,5 kW to 1 907 kW)

VECTRON GL2 to GL4 (35 kW to 610 kW)

VECTRON L1 to L6 (18 kW to 2 080 kW)



elco

www.elco-burners.com

VECTRON

ELCO sets the standard for perfection with its gas, light oil and dual fuel program

Reliable heating solutions for every requirement

Wherever small or medium-scale heating solution is needed, ELCO is the best partner you can rely on.

A comprehensive offer of tailor-made solutions is proposed by ELCO and offered by its worldwide network of distributors.

A partner in professional heating offering a wide range of burner operations to fit individual and commercial needs with optimum combustion technology respectful of sustainable environment.

VECTRON - an optimal combination of experience and innovation

With its gas and light oil burners series VECTRON, ELCO offers a product range capitalising more than 80 years of experience in the development of burners in all sizes.

All burners series VECTRON are characterized by economical consumption, ease of installation, adjustment and maintenance embedded in an excellent product engineering.

The new generation models are equipped with an integrated display featuring an interactive, intuitive communication system. Burner and packaging are 100% recyclable.

VECTRON G

Ranging from the output of 14,5 to 1907 kW VECTRON models offer a wide choice of operation, one and two stages, progressive pneumatic, modulating with electronic compound and a complete program of gas burners with speed control.

VECTRON GL

ELCO offers its dual fuel range working in gas and in light oil from 35 to 610 kW, with models available in one stage, two stages and progressive pneumatic operation.

VECTRON L

The light oil program ranging from the output of 18 to 2080 kW includes powerful variants for all applications and low-emission models with Blue and Yellow flame technology.

Competent advice

Your contacts at ELCO and its partners are recognized experts with years of experience.

Our worldwide support starts from concept creation to planning, design and project management up to commissioning and on-going operation of the plant throughout its life cycle.

Outstanding service

As an ELCO customer, you can rely on your installation to perform reliably. Our guarantee is backed up by a service that sets standards in our field.

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Communication

Choose an intuitive and interactive system

The new MDE2 System and the Elcogram, equipped on VECTRON range constantly give real-time information to professional operators.

- **During the commissioning.**

The setting of all necessary parameters for the burner operation is carried out by a user-friendly method thanks to the 5 buttons and the big size display.

- **During the burner operation.**

The instantaneous data of each ignition follow one another in real time, allowing a quick check of the burner running (voltage value, flame signal, time for ignition...).

- **At each operation cycle.**

The system records every event that happened during the last heating season and displays the stored data in the form of statistics.



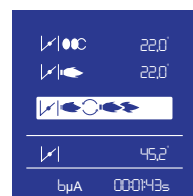
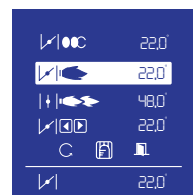
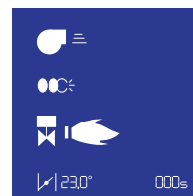
1 stage burners



Elcogram, a universal language

As ELCO products are distributed worldwide, the company has developed a universal language composed of pictograms and numerical data. The pictograms use the majority of the symbols used on the wiring diagrams which are recognised and understood by all Nations. This ensures that information is easier to read than ever before.

2 stages and progressive burners



Maintenance

Choose a rapid and easy maintenance solution

In order to grant cost benefits and high performance on all ELCO burners, we implemented features that simplify commissioning and allow quick and efficient burner maintenance.

- Quick: reduces downtime and cost of maintenance
- Efficient: grants optimal performance like after first commissioning

For an easier maintenance, the combustion parts can be quickly removed, easily cleaned and, even when they are disassembled, they easily get back to their position after all the servicing work. The RTC System developed by ELCO guarantees a simple commissioning and exceptional operation from first to last day of the heating season.



Environment

Prefer a clean and silent technology

Committed in a continuous developing path, ELCO always develops new technologies to respect the environment.

ELCO burners are also available in Low NO_x versions:

- VECTRON G: class 3 (NO_x < 80 mg NO_x/kWh)
- VECTRON L: class 2 (NO_x < 185 mg NO_x/kWh)
- VECTRON L Blue and Eco: class 3 (NO_x < 120 mg NO_x/kWh)

Devoted to eco-friendly solution.

The recently revised ELCO burners:

- grant reduced electrical consumption
- are completely recyclable, packaging included

For a greater user's comfort, ELCO has taken particular care to the acoustic of the VECTRON range:

- sound trap integrated in the air intake
- air intake box made of composite materials equipped with a honeycomb structure working like a soundtrap (VECTRON 1)
- air circuit seal pressurised
- propylene cover to reduce acoustic emissions



VECTRON operations and Systems

Duo

The heat is even cleaner and more efficient

Through an optimized combustion head design, patented as IME (Multi-stage Injection), this burner technology ensures a stable combustion quality and simultaneously ensures excellent energy efficiency.

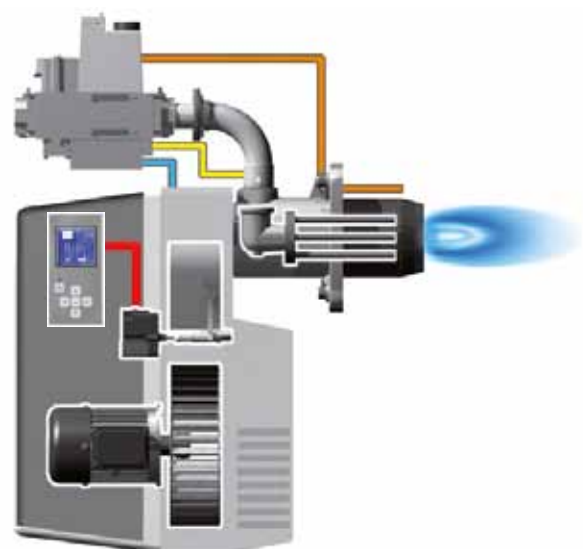
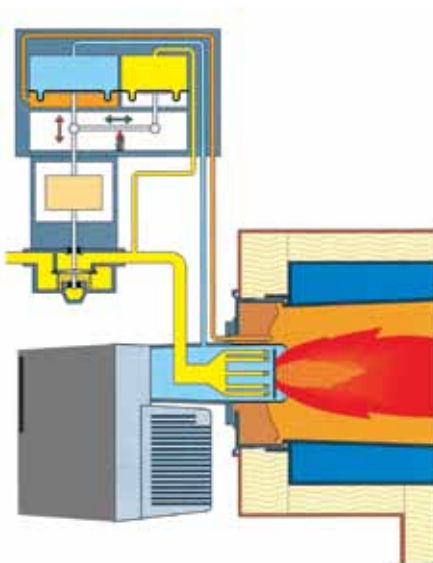


Duo Plus

An outstanding technology for our gas burners

Developed and produced by ELCO, the AGP (proportional air-gas) system provides:

- perfect stability of the air-gas mixture;
- a constantly high CO₂ content over the whole burner output range;
- precise control of air excess, which is important for high-efficiency operation, in particular for condensing generators.



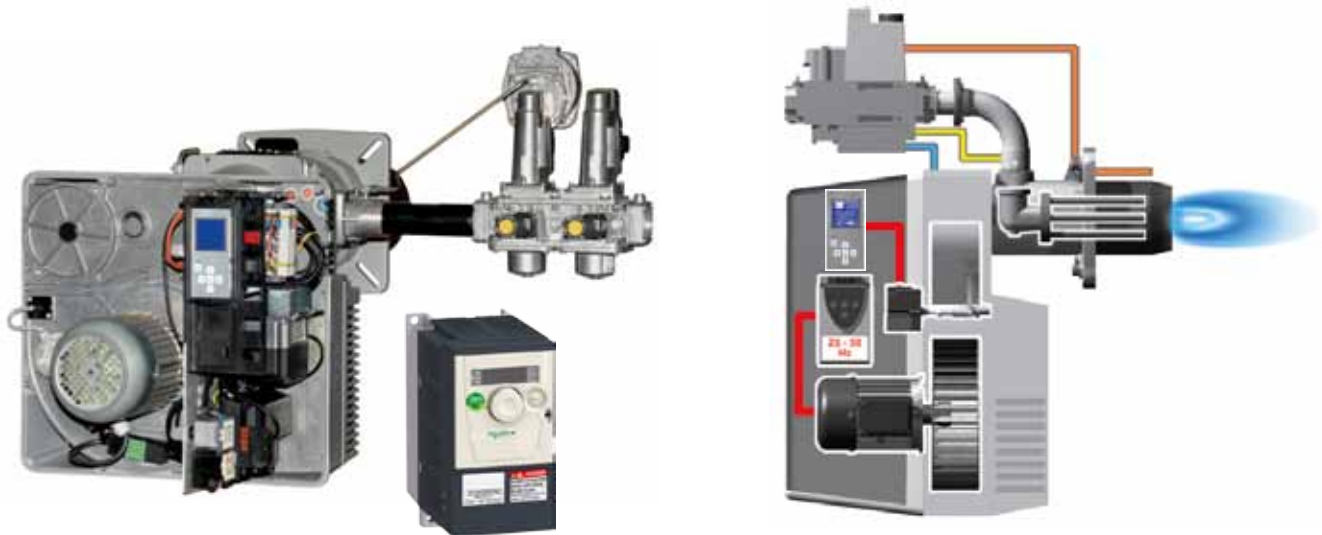
VECTRON operations and Systems

Variatron

Cutting-edge technology for our modulating gas burners

To improve the performance of heating or industrial systems, ELCO applies Variatron (fan speed control) as an option or as a version.

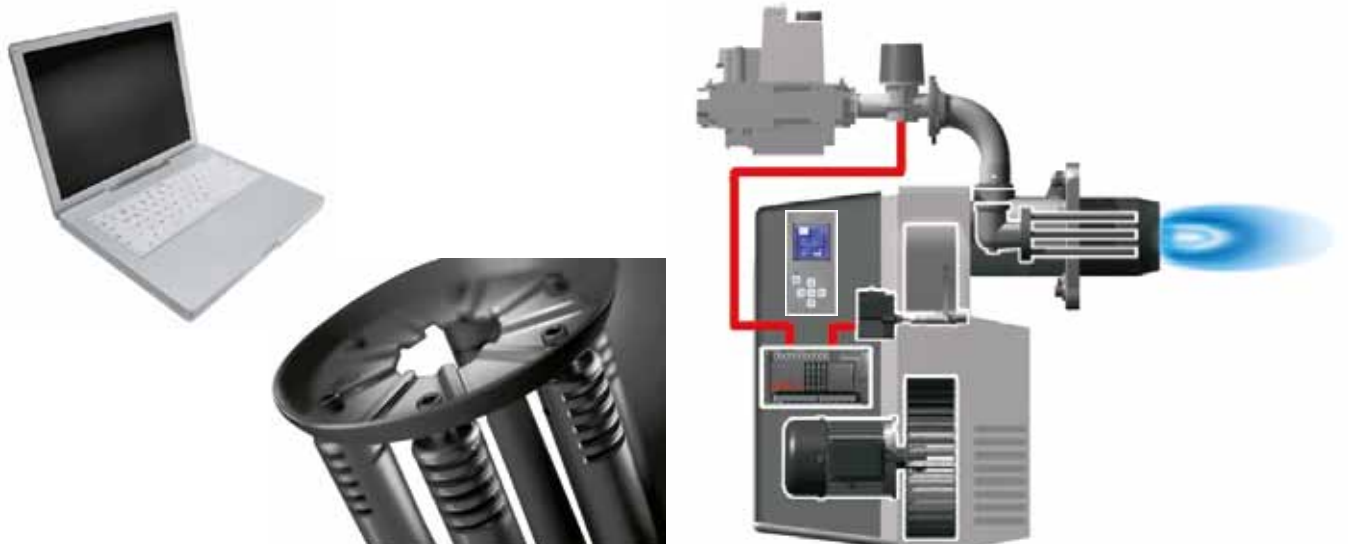
In combination with AGP, we can ensure optimum combustion by constantly controlling minimum air excess in all operating conditions.



Modulo

Digital burner manager for our electronic gas burners

Everything is perfectly under control with high reliability and optimum combustion values. The new display ensures easy commissioning and provides real time information on burner operation with precise fault diagnosis based on a detailed error log. The integrated gas leakage control provides additional security. Ready to plug connection for REMOTE SOLUTION monitoring.



VECTRON operations and Systems

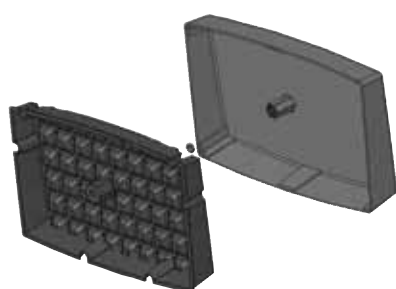
Low Noise System

Silent and stylish: a dynamic and functional design

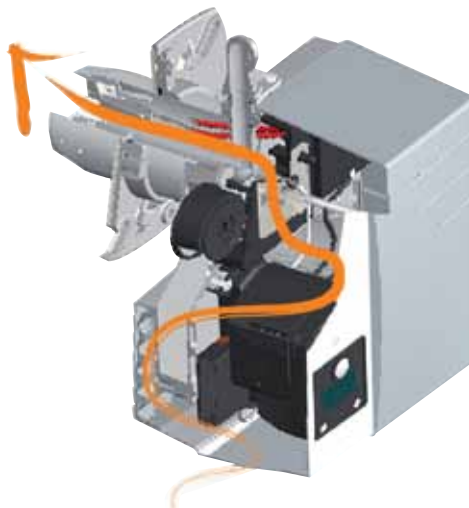
Cubic design, powerful, low noise and reliable.

Installation, commissioning and maintenance are user friendly and quick.

These are the main features of the new VECTRON models.



Optimal acoustic comfort



MDE2 System

Permanent communication of information easy to use

With its new MDE2 System and the integrated display, VECTRON burners provide constant information updates for professionals and users.

Instantaneous data (starting cycle, voltage measurement values and flame signal, etc.) and stored data (operating statistics) are now displayed.



VECTRON operations and Systems

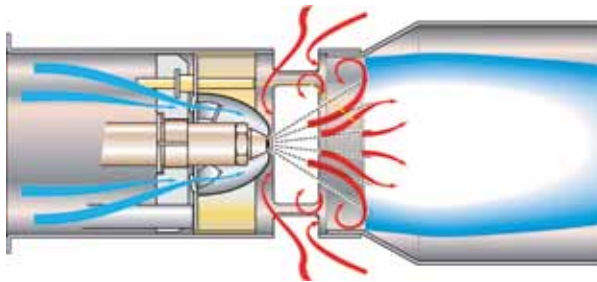
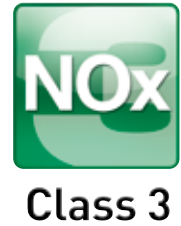
Blue flame

Low NOx Blue flame technology

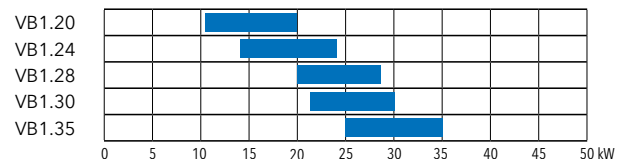
The VECTRON Blue light oil burners have reached an excellent combustion technique for an improved quality of life. The combustion fuel is already in the form of gas-air mixture and ready for the combustion, thanks to the light oil atomizer.

The result is a clean combustion with very low NOx emissions.

These burners are electronically controlled and with the uncountable adjustable flue gas recirculation they can satisfy any installation requirements, from new boilers to older ones. These burners are 1.BImSchV conform.



Model BLUE



Yellow flame

Low NOx Yellow flame technology

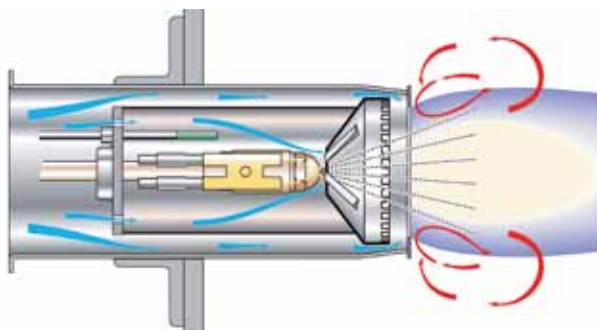
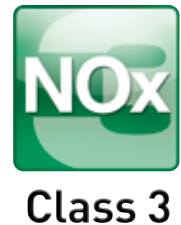
The precision of the combustion head of the VECTRON Eco light oil burner series is particularly efficient and grants low NOx emissions.

The characteristic crown of baffle plates optimizes the combustion by mixing fuel and air.

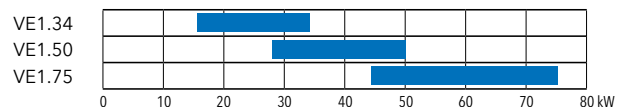
The result of this innovative combustion head is a low air excess, a clean flame and high-efficiency energy saving.

The internal flue gas recirculation considerably reduces NOx emissions.

These burners are 1.BImSchV conform.



Model ECO



VECTRON range overview

14,5 - 2 080 kW

Gas, light oil and dual fuel

Overview of gas burners

Burner model	Output range (kW)	Operation				
		1 stage	2 stages	2 stages progressive pneumatic (AGP)	2 stages progressive pneumatic (AGP) + Variatron	2 stages progressive electronic
VG1	14,5 ... 85	•				
VG01	45 ... 85		•			
VG2	40 ... 210	•	• (1)	• (1)	•	•
VG3	70 ... 360		• (1)	• (1)	•	•
VG4	100 ... 610		• (1)	• (1)	•	•
VG5	170 ... 1160			• (1)	(2)	•
VG6	300 ... 1907			•	(2)	•

(1): version with tightness control on request

(2): available as an option

Overview of dual fuel burners

Burner model	Output range (kW)	Operation		
		1 stage	2 stages	2 stages progressive pneumatic in gas / 2 stages in light oil
VGL2	35 ... 190	•		
VGL3	95 ... 360		•	
VGL4	168 ... 610			•

Overview of light oil burners

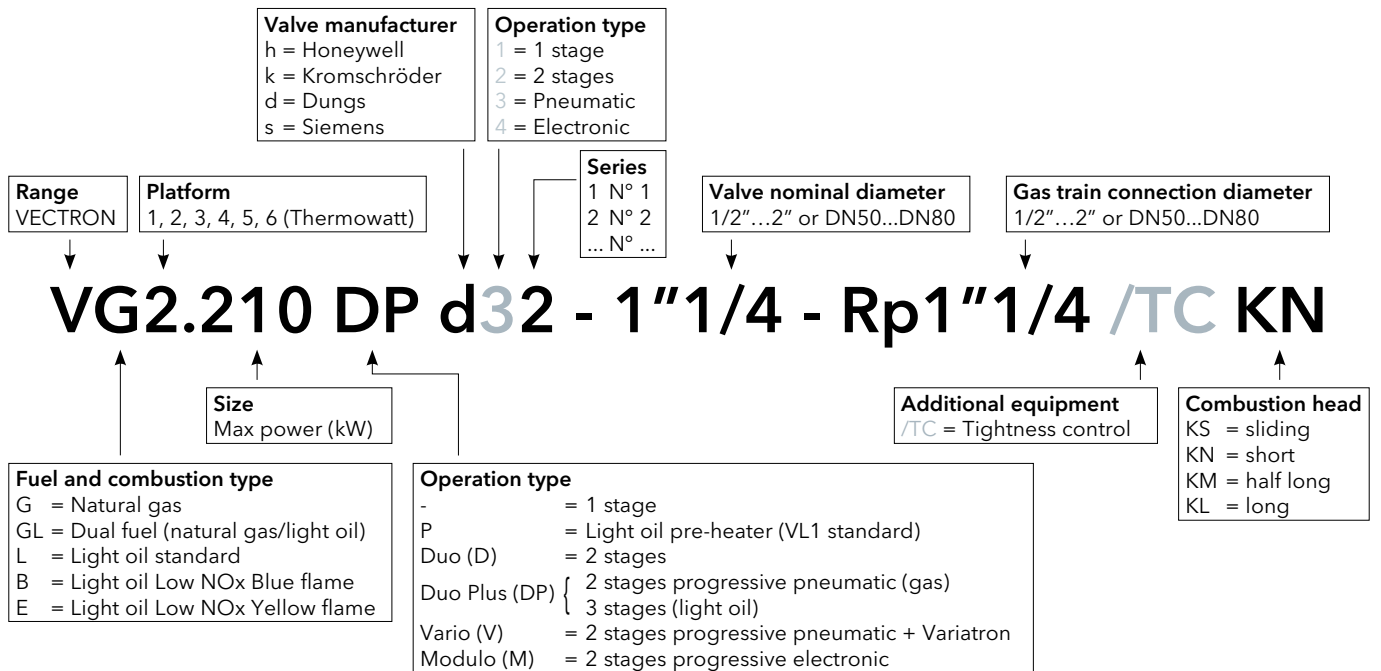
Burner model	Output range (kW)	Operation		
		1 stage	2 stages	3 stages
VL1	18 ... 95	•		
VL2	60 ... 210	•	•	
VL3	130 ... 360		•	
VL4	180 ... 610		•	•
VL5	260 ... 1186		•	•
VL6	320 ... 2080			•

VECTRON range overview

14,5 - 2 080 kW

Gas, light oil and dual fuel

Designation

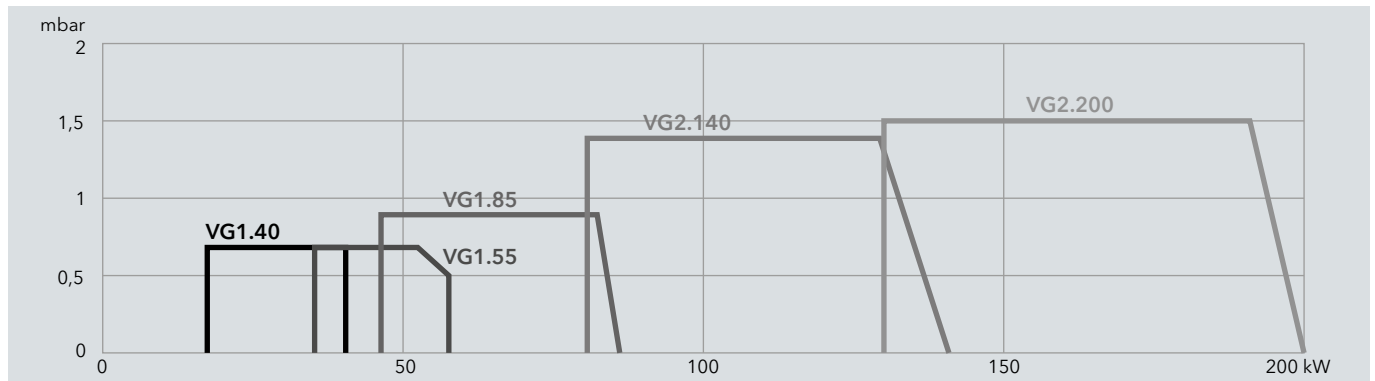


VECTRON gas burners

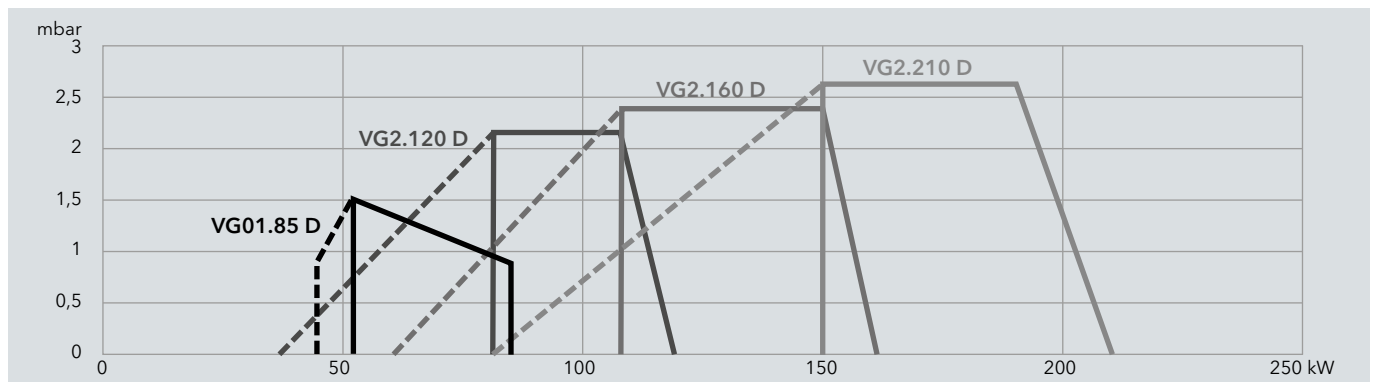
VG1 to VG3 D

Working fields

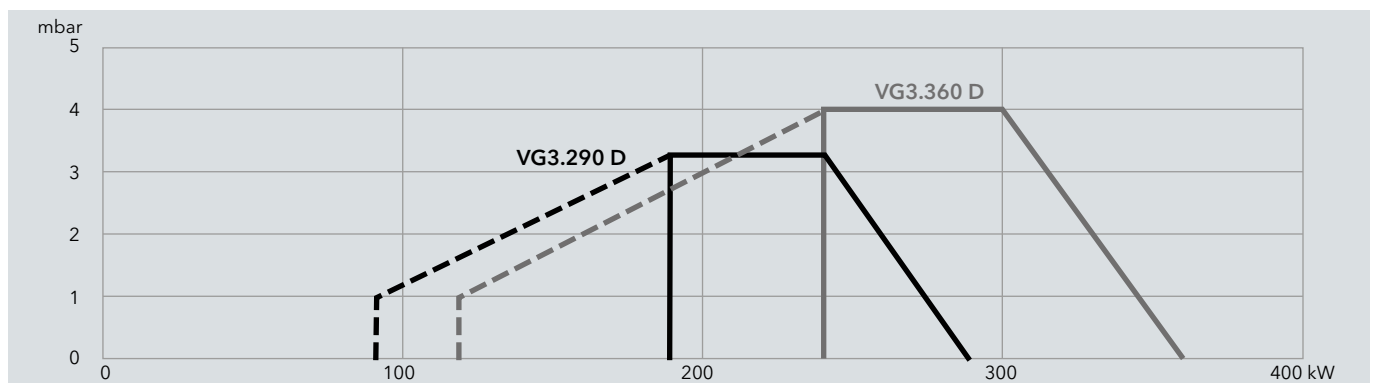
VG1, VG2



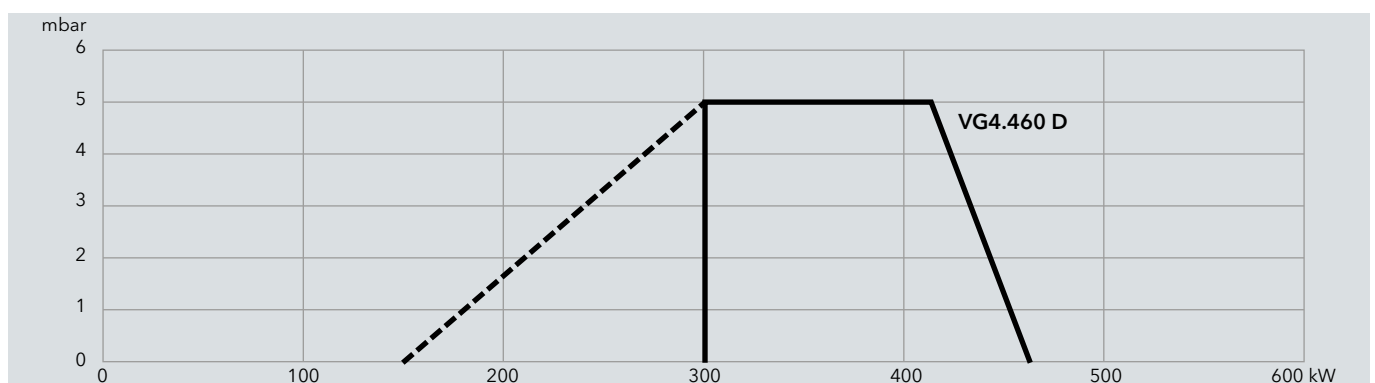
VG01 D, VG2 D



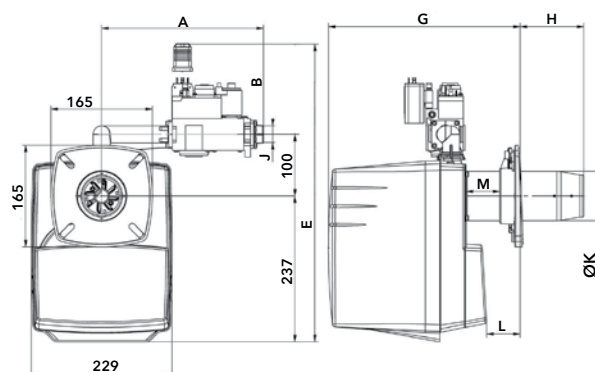
VG3 D



VG4 D

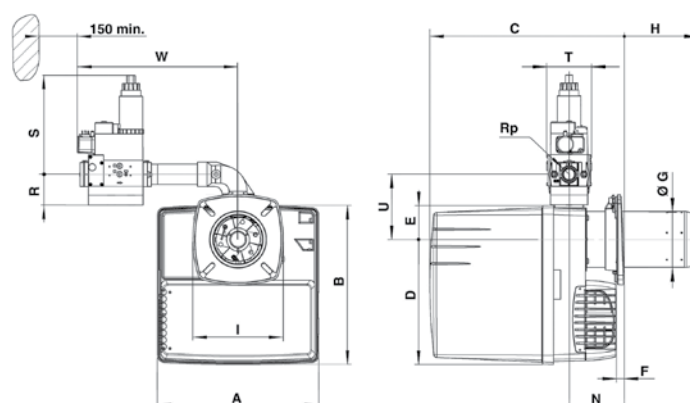


VG1, VG01 D



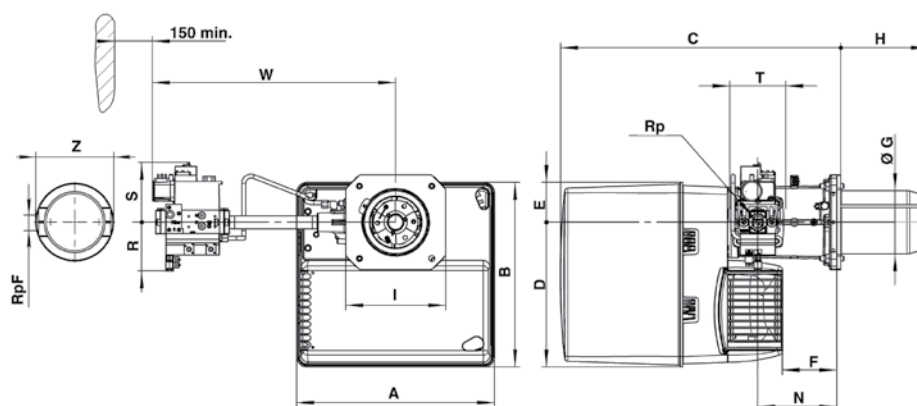
Model	Gas train	A	B	E	G		H		J	Ø K	L		M
					min	max	min	max			min	max	
VG1.40/55	h3/8"-Rp1/2"	263	120	484	297	337	70	110	Rp1/2"	80	21	61	48
VG1.85	d3/4"-Rp3/4"	282	140	477	300	355	70	138	Rp3/4"	90	15	83	52
VG01.85 D	d3/4"-Rp3/4"	290	210	535	300	355	70	138	Rp3/4"	90	15	83	52

VG2, VG2 D



Model	Gas train	A	B	C		D	E	F	Ø G	H		I	N	P	Rp	R	S	T	U	W
VG2	d3/4"-Rp3/4"	331	326	KN 398...518	KL 398...638	256	69	15 min	100	KN 30...150	KL 30...270	185 x 185	113 min	115	3/4"	46	150	120	133	330
VG2 D	d3/4"-Rp3/4"	331	326	KN 398...518	KL 398...638	256	69	15 min	115	KN 30...150	KL 30...270	185 x 185	113 min	115	3/4"	46	210	120	133	330
	d1"1/4-Rp1"1/4													55	1"1/4	55	260	145		360

VG3 D VG4 D



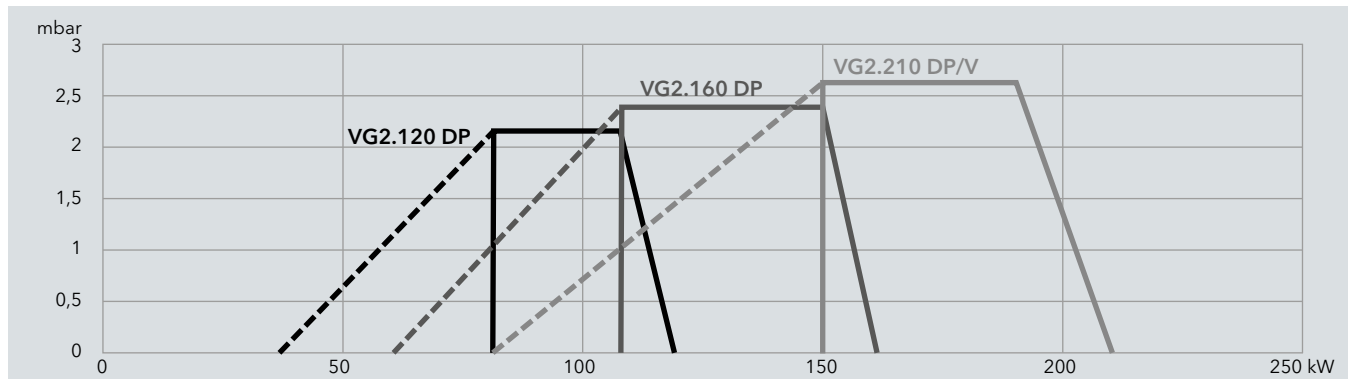
Model	Gas train	A	B	C	D	E	F	Ø G	H		I	N	Rp	R	S	T	W
VG3 D	d3/4"-Rp3/4"	406	379	576	297	82	120	130	KN 180	KL 320	195 x 205	170	3/4"	46	210	120	479
	d1"1/4-Rp1"1/4												1"1/4	55	260	145	526
	d1"1/2-Rp2"												2"	80	330	100	603
VG4 D	d3/4"-Rp3/4"	465	475	640	377	97	149	150	KN 220	KL 360	245 x 245	195	3/4"	46	210	120	489
	d1"1/4-Rp1"1/4												1"1/4	55	260	145	536
	d1"1/2-Rp2"												2"	80	330	100	613

VECTRON gas burners

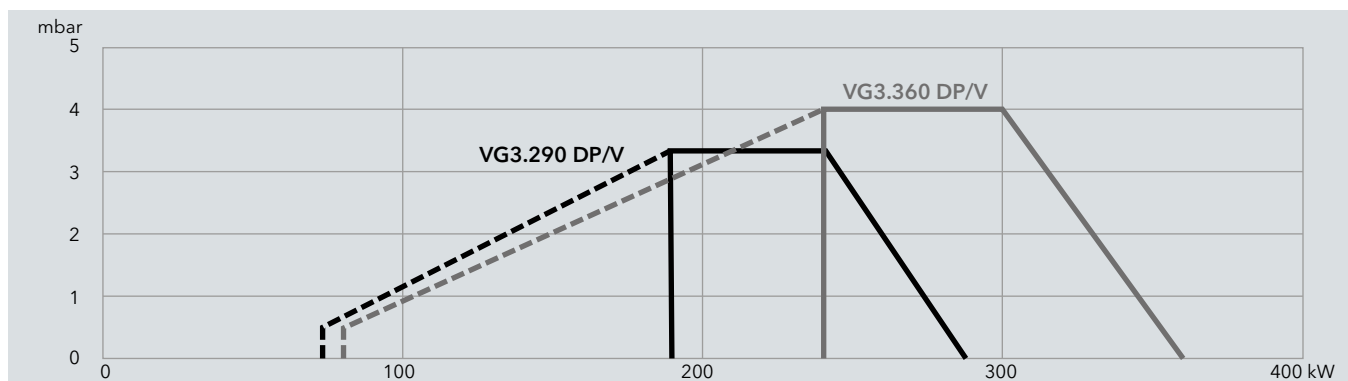
VG2 DP to VG4 V

Working fields

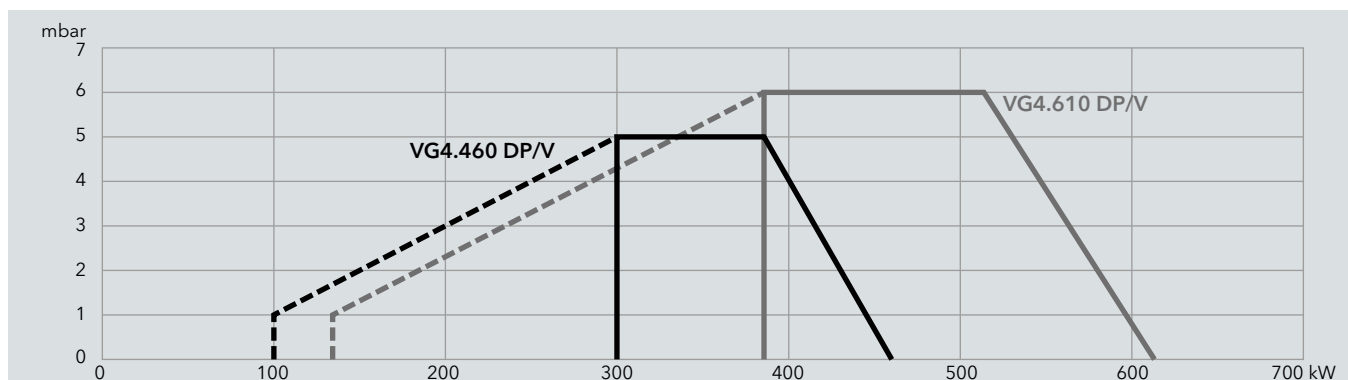
VG2 DP, VG2 V



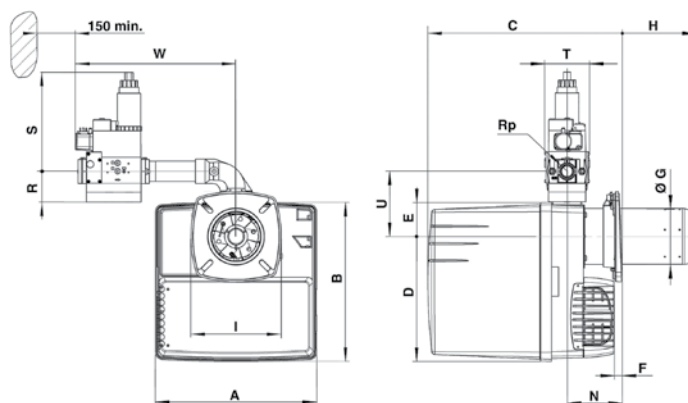
VG3 DP, VG3 V



VG4 DP, VG4 V

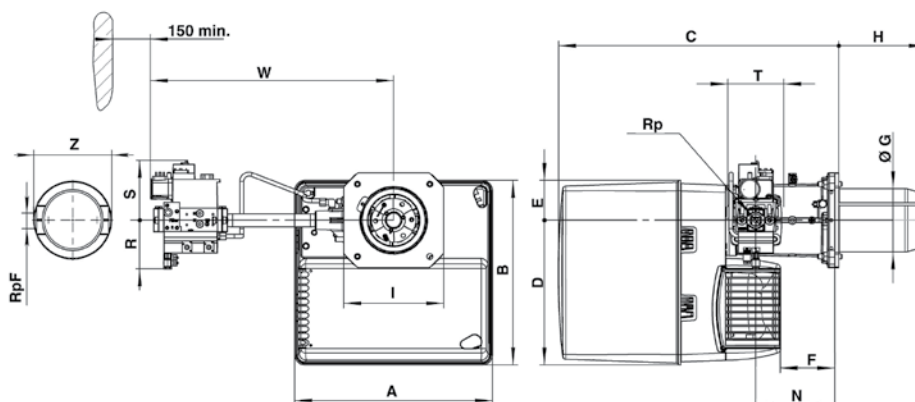


VG2 DP, VG2 V



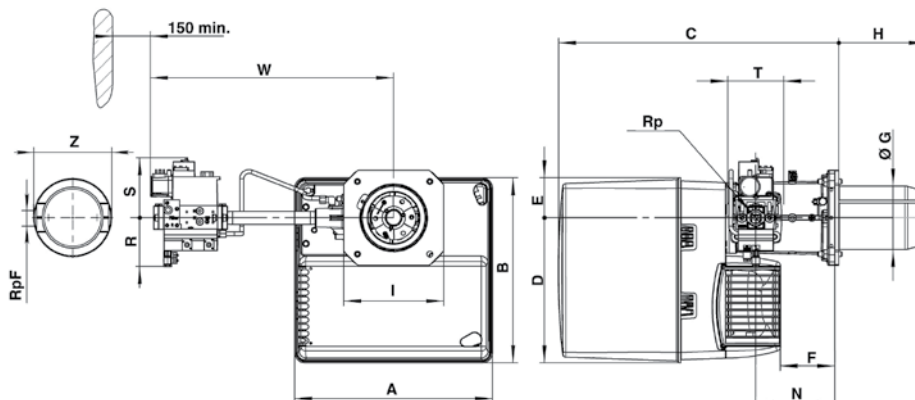
Model	Gas train	A	B	C		D	E	F	Ø G	H		I	N	P	Rp	R	S	T	U	W
VG2 DP/V	d3/4" - Rp3/4"	331	326	KN	KL	256	69	15 min	115	KN	KL	185	113	115	3/4"	70	160	120	133	345
	d1"1/4 - Rp1"1/4			398...518	398...638					30...150	30...270	x 185	min	55	1"1/4	80	175	145		380

VG3 DP VG3 V



Model	Gas train	A	B	C	D	E	F	Ø G	H		I	N	Rp	R	S	T	W	RpF	Z
VG3 DP/V	d3/4"-Rp3/4"	406	379	576	297	82	120	130	KN 180	KL 320	195 x 205	170	3/4"	70	160	120	479	1"	160
	d1"1/4-Rp1"1/4												1"1/4	80	175	145	526	-	-
	d1"1/2-Rp2"												2"	100	185	100	603	-	-

VG4 DP VG4 V



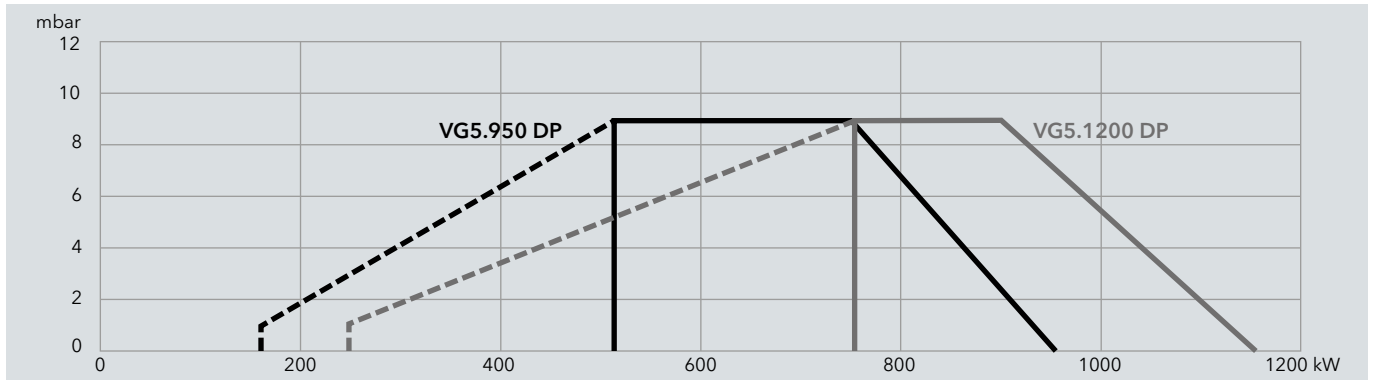
Model	Gas train	A	B	C	D	E	F	Ø G	H		I	N	Rp	R	S	T	W	RpF	Z
VG4 DP/V	d3/4"-Rp1"	465	475	640	377	97	149	150	KN 220	KL 360	245 x 245	195	1"	70	160	120	489	1"	160
	d1"1/4-Rp1"1/4												1"1/4	80	175	145	536	-	-
	d1"1/2-Rp2"												2"	100	185	100	613	-	-

VECTRON gas burners

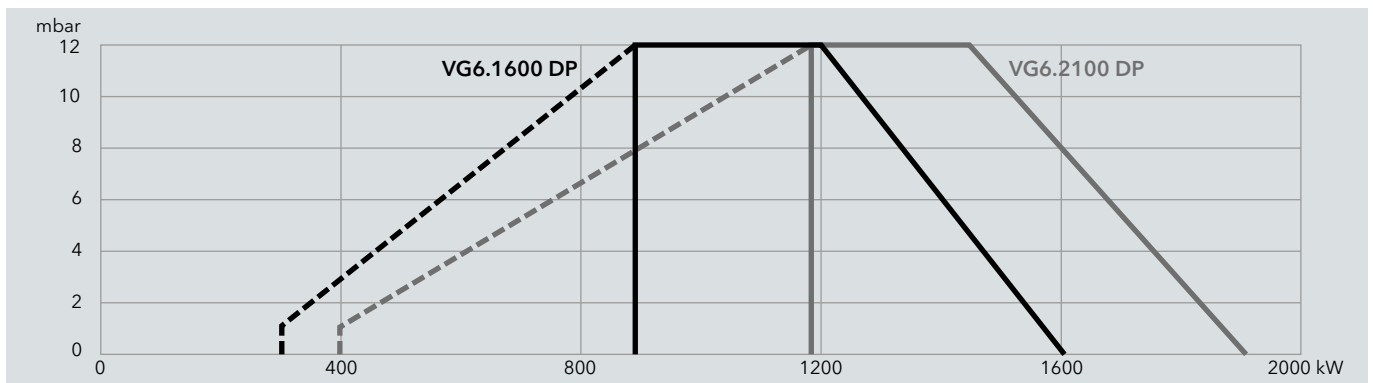
VG5 DP to VG6 DP

Working fields

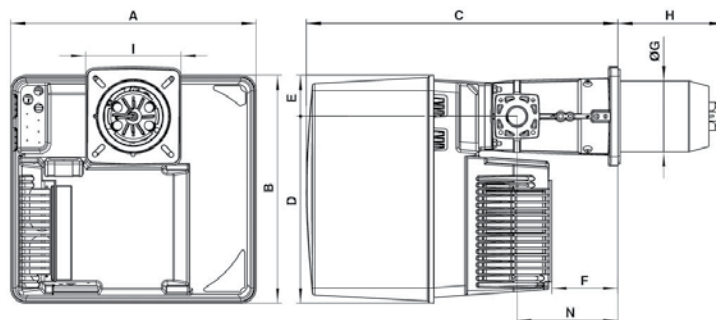
VG5 DP



VG6 DP

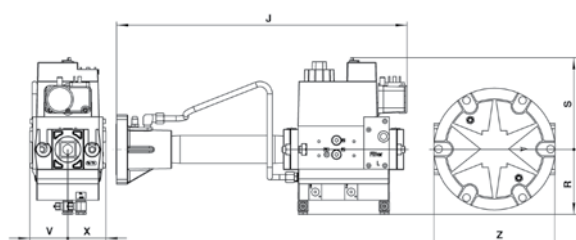


VG5 DP



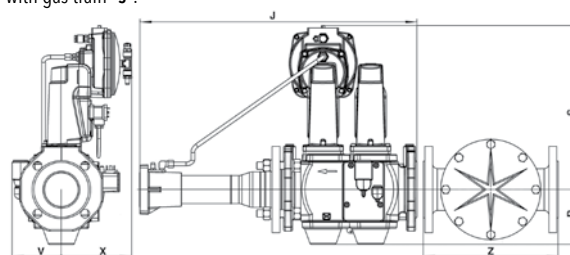
Model	A	B	C	D	E	F	Ø G	H			I	N
VG5 DP	581	549	752	450	99	164	170	KN 215	KM 325	KL 435	230 x 238	244

with gas train "d":



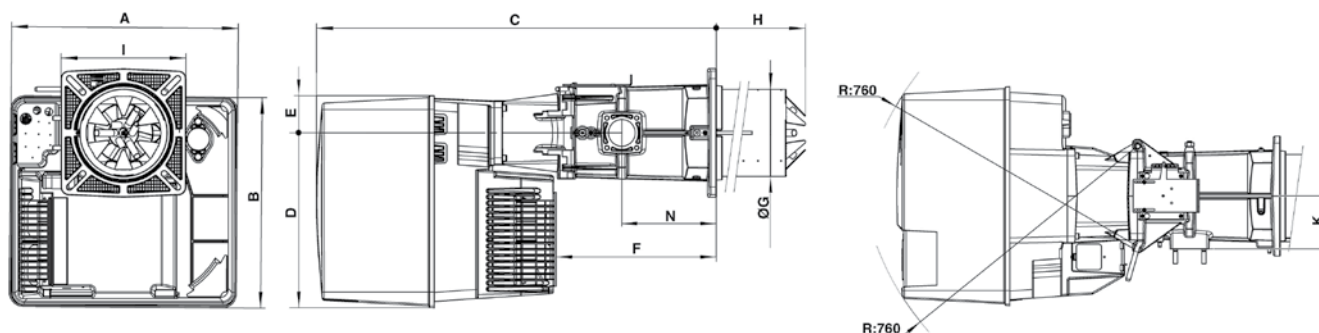
Model	J	R	S	V	X	Z
d3/4"-Rp1"	420	100	122	55	50	160
d1"1/4-Rp2"	450	100	141	58	58	186
d1"1/2-Rp2"	540	123	190	55	55	-

with gas train "s":



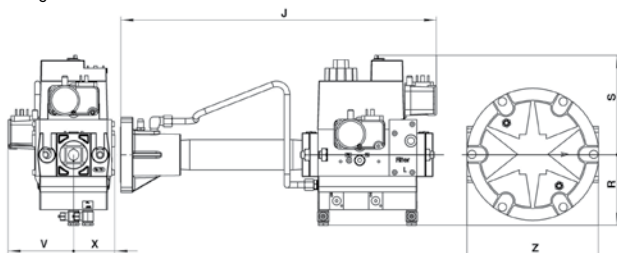
Model	J	R	S	V	X	Z
s2"-Rp2"	612	103	330	110	150	186
s65-DN65	600	135	360	110	150	320

VG6 DP



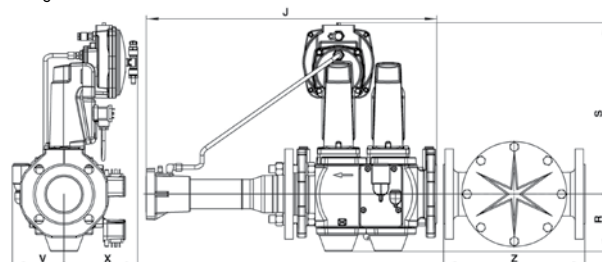
Model	A	B	C	D	E	F	Ø G	H			I	K	N
VG6 DP	592	553	1050	456	97	421	227	KN 360	KM 460	KL 560	326 x 335	144	247

with gas train "d":



Model	J	R	S	V	X	Z
d1"1/4-Rp1"1/4 /TC	450	100	141	95	58	186
d1"1/2-Rp2" /TC	540	123	190	95	55	-

with gas train "s":



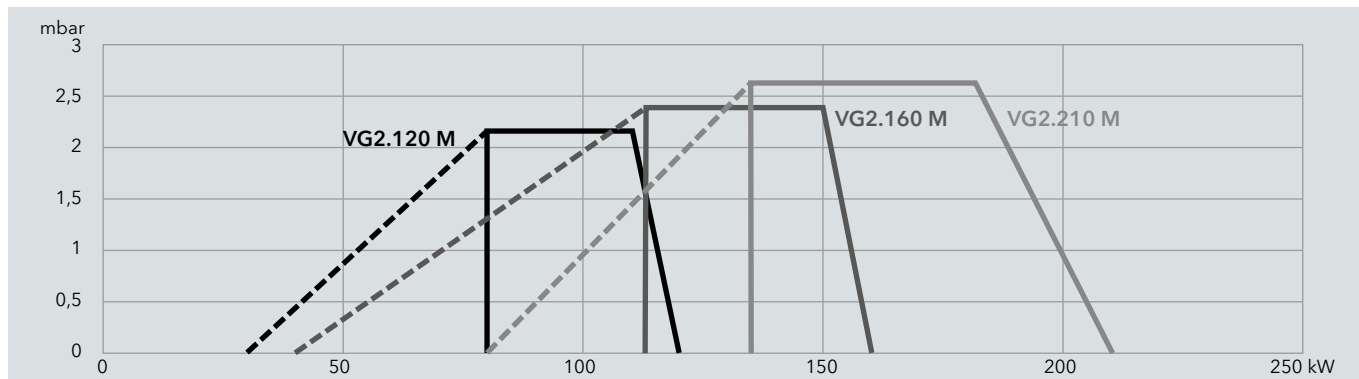
Model	J	R	S	V	X	Z
s2"-Rp2" /TC	612	103	330	110	150	186
s65-DN65 /TC	600	135	360	110	150	320
s80-DN80 /TC	600	120	350	110	150	290

VECTRON gas burners

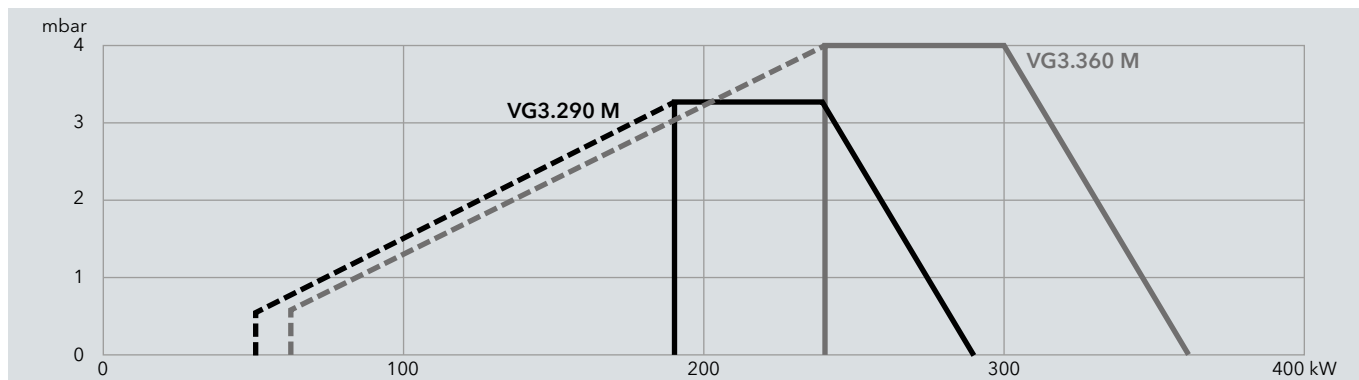
VG2 M to VG4 M

Working fields

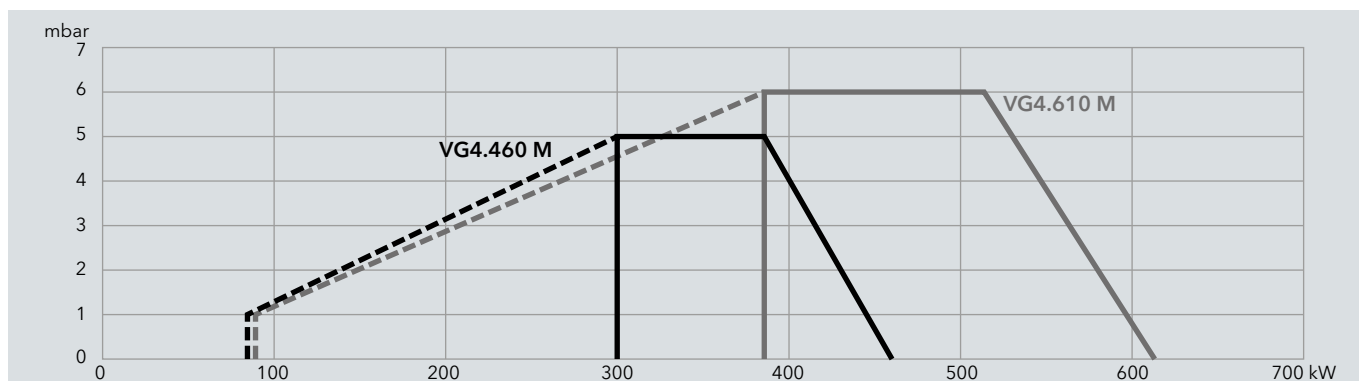
VG2 M



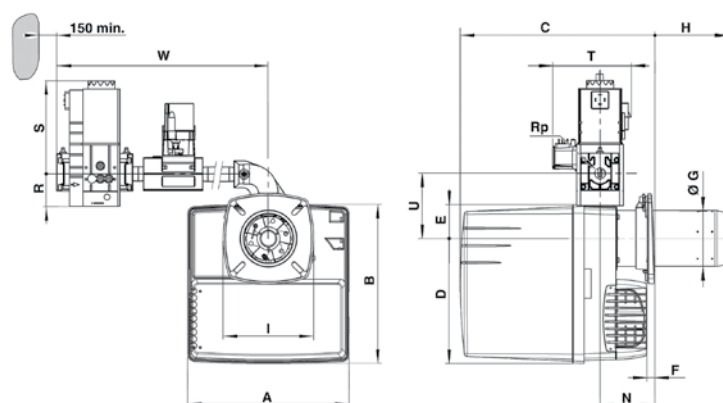
VG3 M



VG4 M

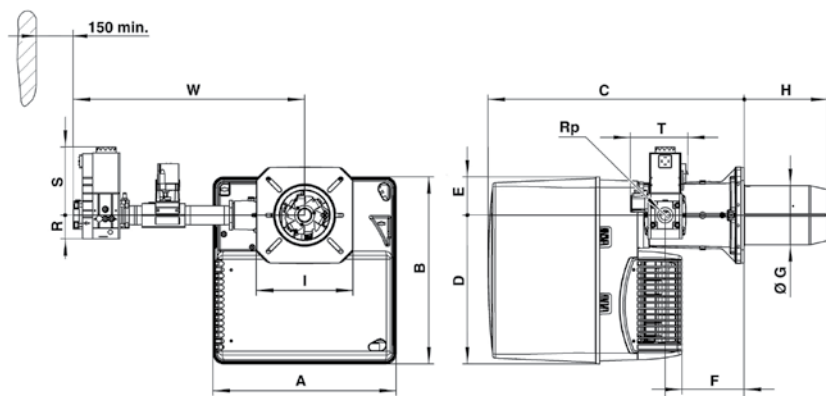


VG2 M



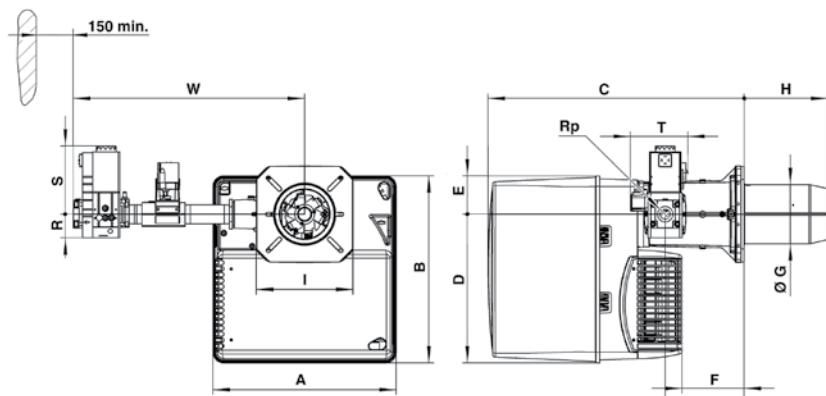
Model	Gas train	A	B	C		D	E	F	Ø G	H		I	N	P	Rp	R	S	T	U	W
VG2 M	d3/4"-Rp1"1/4 /TC	331	326	KN 398...518	KL 398...638	256	69	15 min	115	KN 30...150	KL 30...270	185 x 185	30...150	193	3/4"	60	173	146	133	455

VG3 M



Model	Gas train	A	B	C	D	E	F	Ø G	H		I	N	Rp	R	S	T	W
VG3 M	d3/4"-Rp1"1/4 /TC	406	379	576	297	82	120	130	KN 180	KL 320	195 x 205	170	1"1/4	60	173	146	577
	d1"1/2"-Rp1"1/2 /TC												1"1/2	80	185	160	638

VG4 M



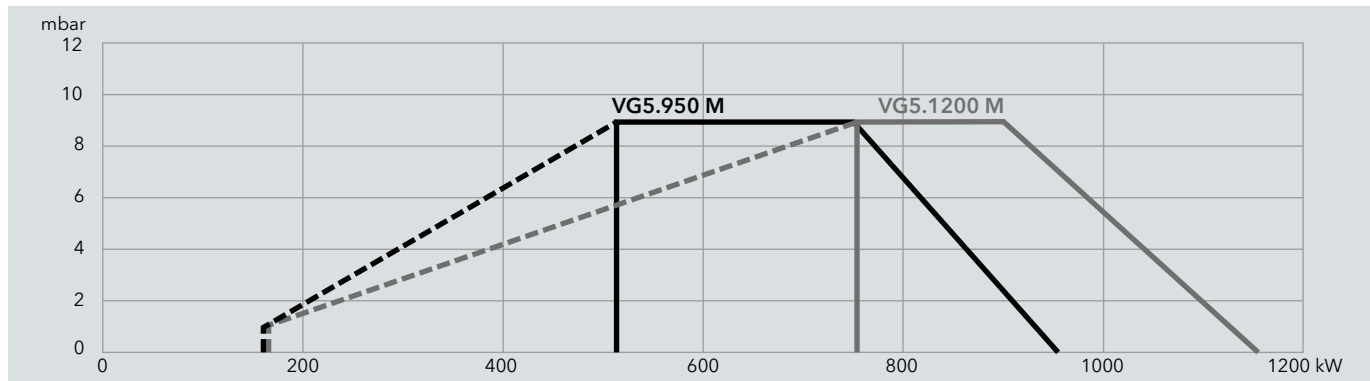
Model	Gas train	A	B	C	D	E	F	Ø G	H		I	N	Rp	R	S	T	W
VG4 M	d3/4"-Rp1"1/4 /TC	465	475	640	377	97	149	150	KN 220	KL 360	245 x 245	195	1"1/4	60	173	146	587
	d1"1/2"-Rp1"1/2 /TC												1"1/2	80	185	160	649

VECTRON gas burners

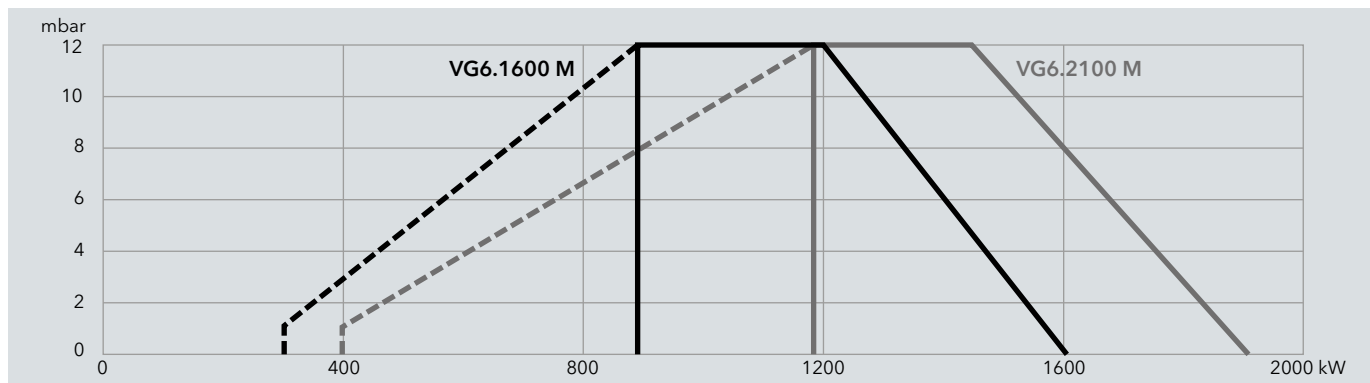
VG5 M to VG6 M

Working fields

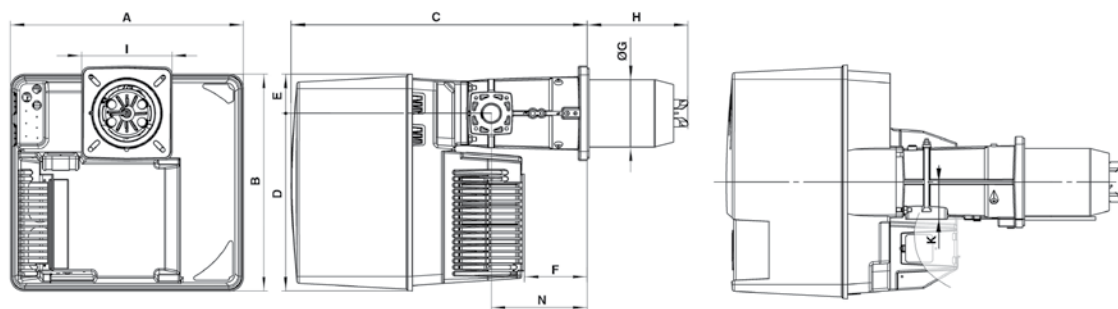
VG5 M



VG6 M

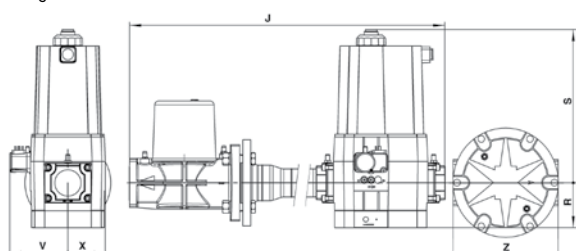


VG5 M



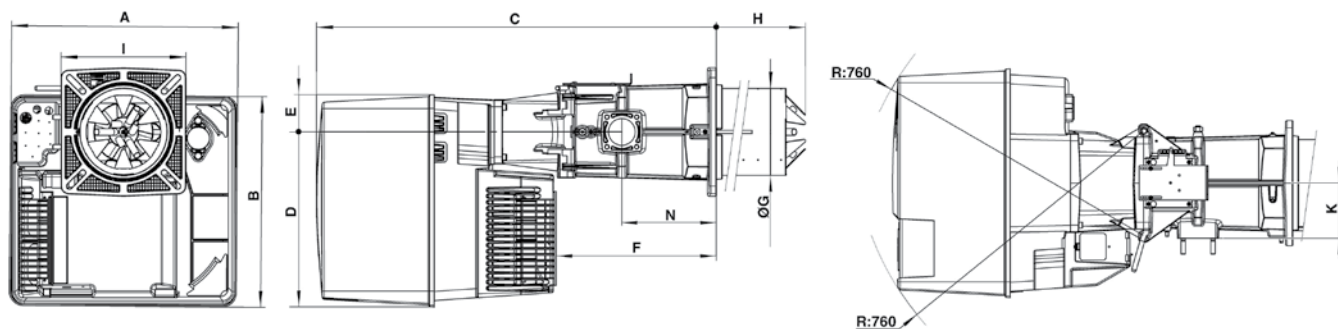
Model	A	B	C	D	E	F	Ø G	H			I	K	N
VG5 M	581	549	752	450	99	164	170	KN 215	KM 325	KL 435	230 x 238	89	244

with gas train "d":



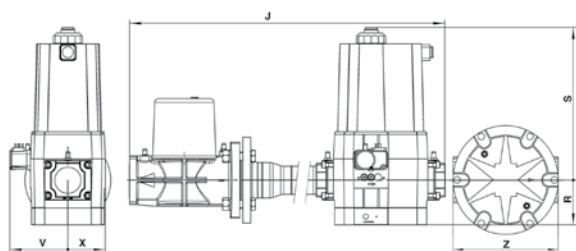
Model	J	R	S	V	X	Z
d3/4"-Rp1"1/4" /TC	498	60	173	88	58	-
d1"1/2-Rp2" /TC	662	80	185	102	57	-
d2"-Rp2" /TC	740	96	330	125	81	-
d65-DN65 /TC	820	183	245	110	98	320

VG6 M



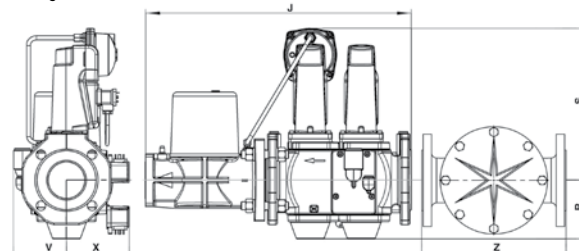
Model	A	B	C	D	E	F	Ø G	H			I	K	N
VG6 M	592	553	1050	456	97	421	227	KN 360	KM 460	KL 560	326 x 335	144	247

with gas train "d":



Model	J	R	S	V	X	Z
d1"1/2-Rp2" /TC	662	80	185	102	57	-
d2"-Rp2" /TC	740	96	330	125	81	-
d65-DN65 /TC	820	183	245	110	98	320

with gas train "s":



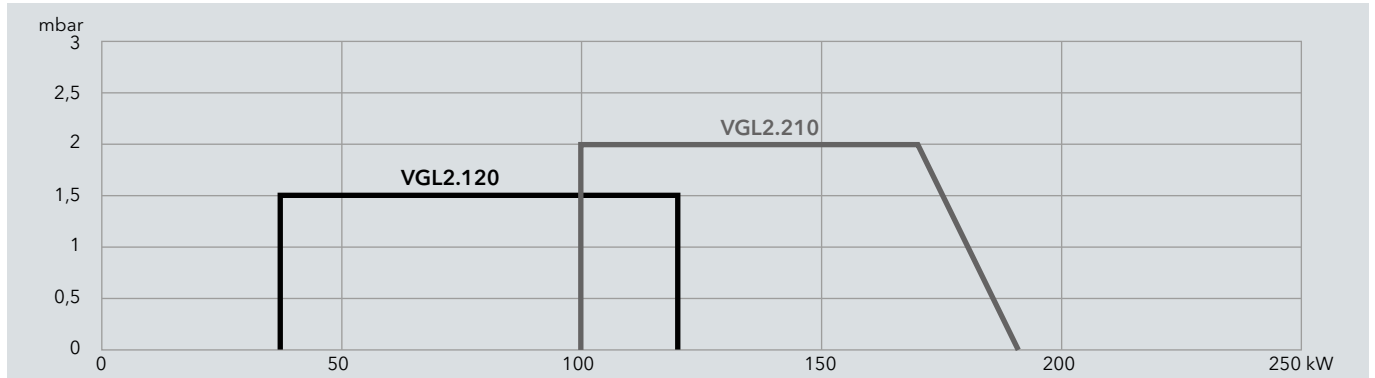
Model	J	R	S	V	X	Z
s65-DN65 /TC	530	118	300	106	126	320

VECTRON dual fuel

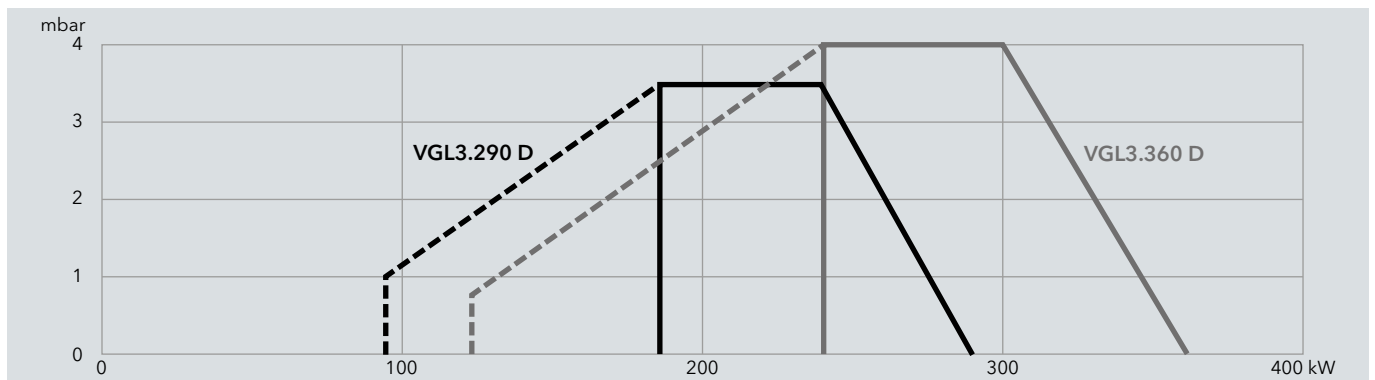
VGL2 to VGL4

Working fields

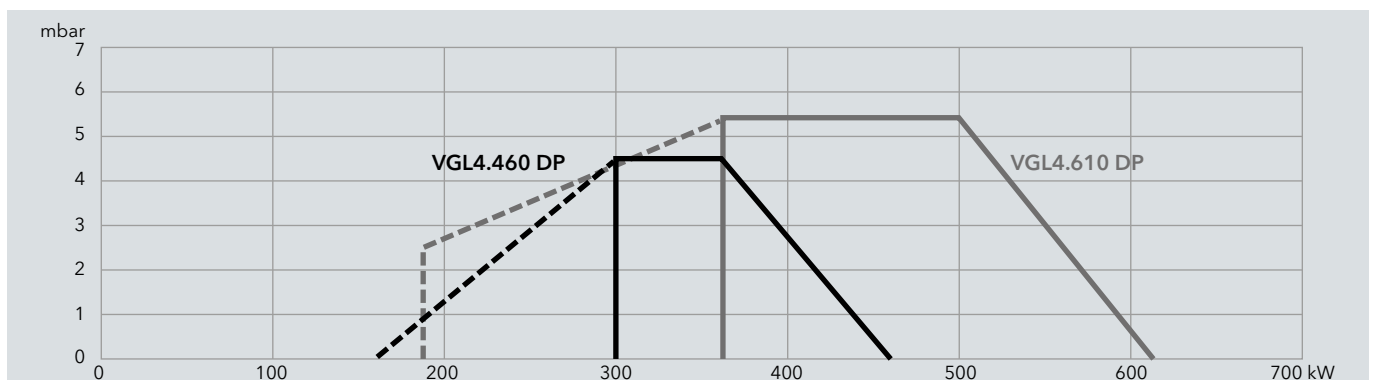
VGL2



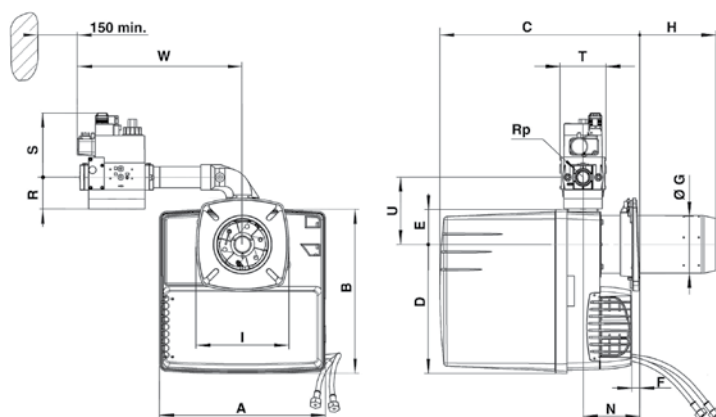
VGL3 D



VGL4 DP

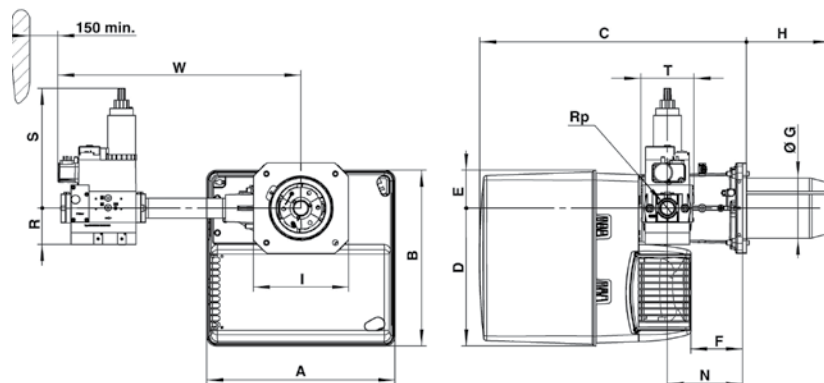


VGL2



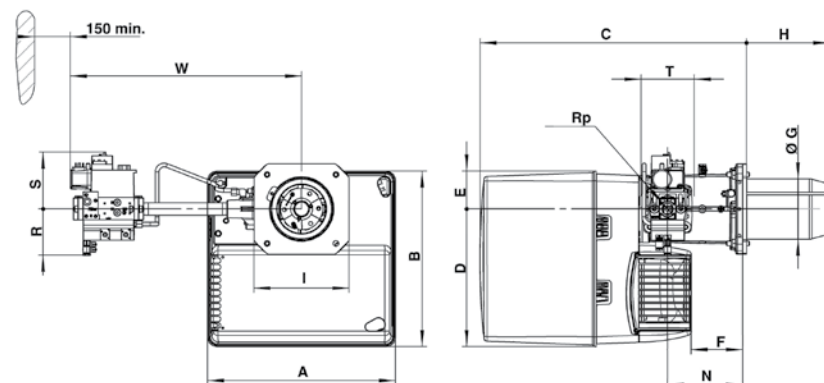
Model	A	B	C	D	E	F	Ø G	H	I	N	P	Rp	R	S	T	U	W
VGL2	331	325	KL 398...638	256	69	15 min	115	KL 30...270	185 x 185	113 min	115	3/4"	46	140	120	133	330

VGL3 D



Model	Gas train	A	B	C	D	E	F	Ø G	H		I	N	Rp	R	S	T	W
VGL3 D	d3/4"-Rp3/4"	406	379	576	297	82	120	130	KN 180	KL 320	195 x 205	170	3/4"	46	210	120	479
	d1"1/4-Rp1"1/4												1"1/4	55	260	145	526
	d1"1/2-Rp2"												2"	80	330	100	603

VGL4 DP



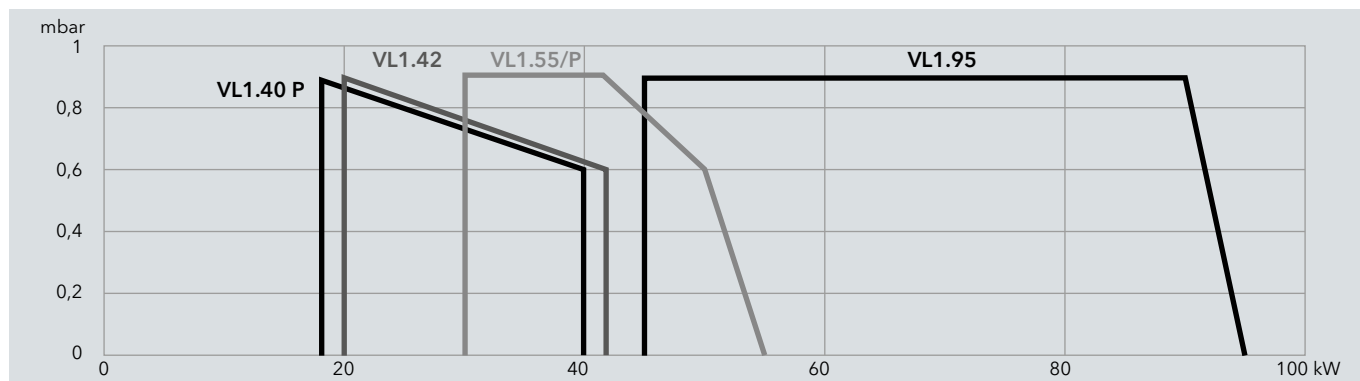
Model	Gas train	A	B	C	D	E	F	Ø G	H		I	N	Rp	R	S	T	W	RpF	Z
VGL4 DP	d3/4"-Rp1"	465	475	640	377	97	149	150	KN 220	KL 360	245 x 245	195	1"	70	160	120	489	1"	160
	d1"1/4-Rp1"1/4												1"1/4	80	175	145	536	-	-
	d1"1/2-Rp2"												2"	100	185	100	613	-	-

VECTRON light oil burners

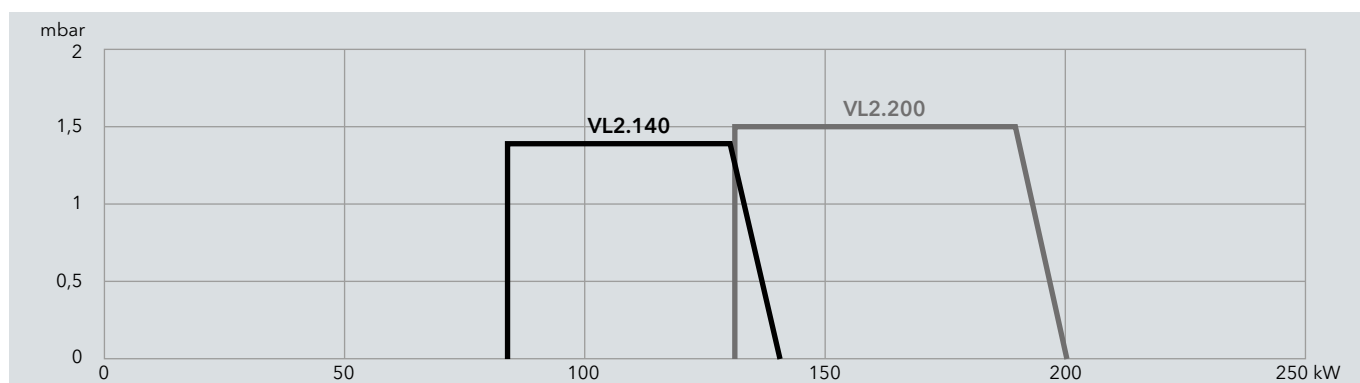
VL1 to VL3

Working fields

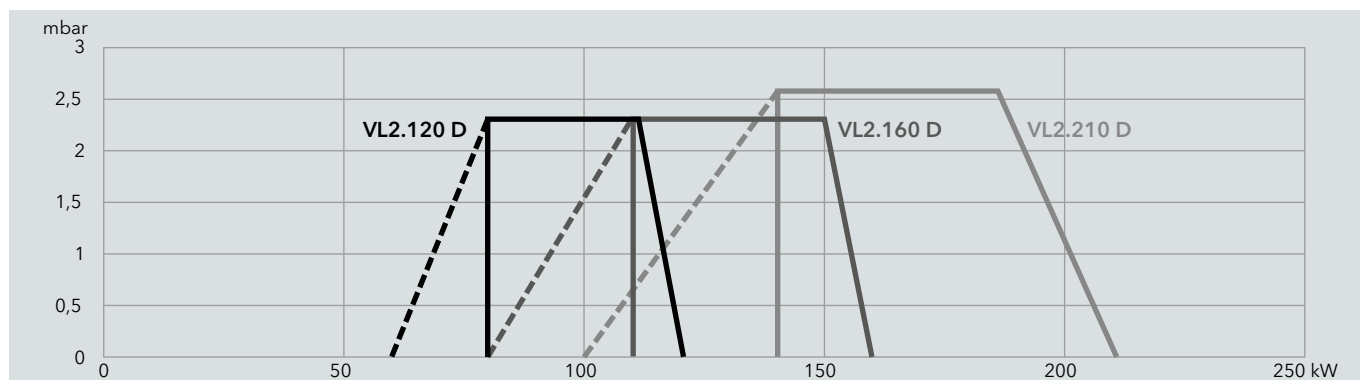
VL1



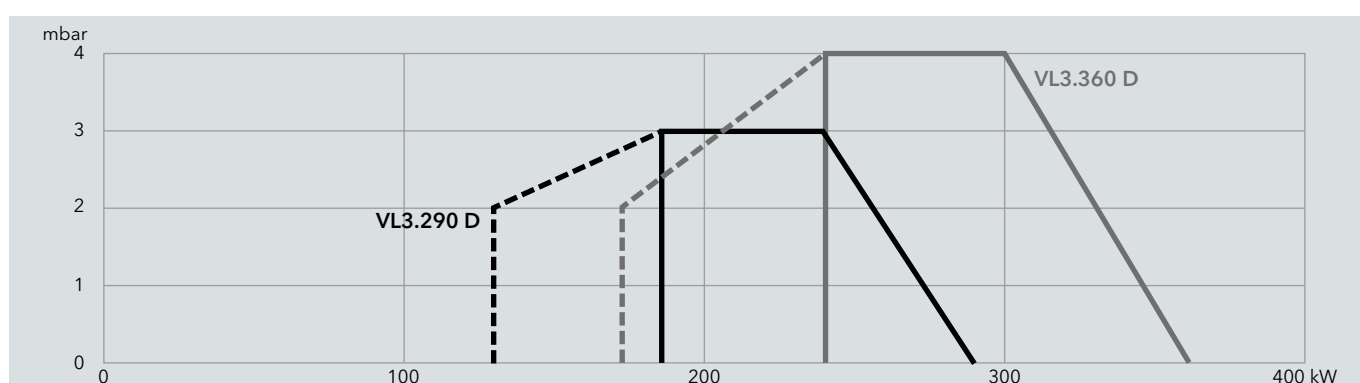
VL2



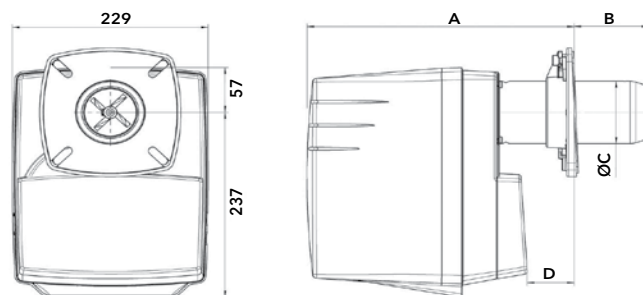
VL2 D



VL3 D

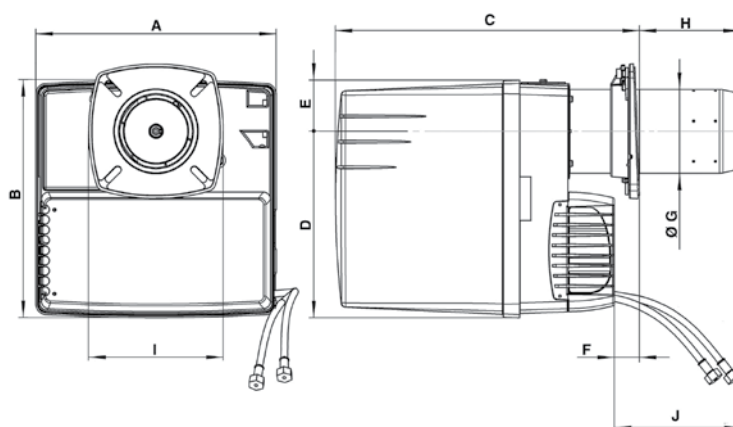


VL1



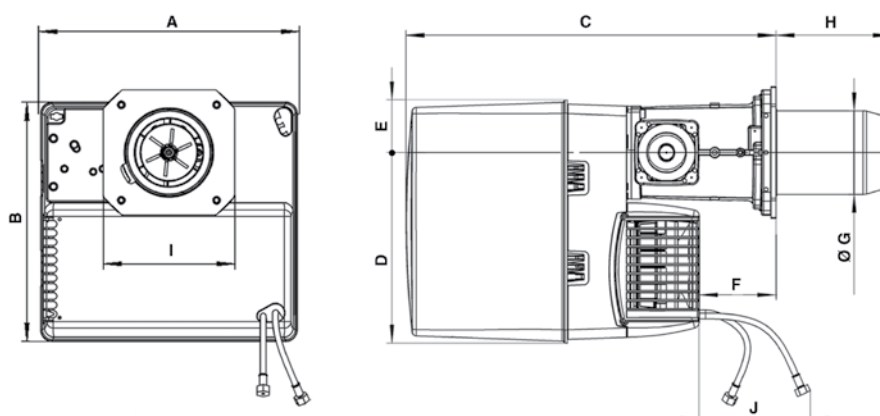
Model	A		B		Ø C	D	
	min	max	min	max		min	max
VL 1.40 P	270	310	70	120	80	21	71
VL 1.42							
VL 1.55 / 1.55 P							
VL 1.95	297	357	70	138	90	15	83

VL2, VL2 D



Model	A	B	C		D	E	F	Ø G	H		I	J
VL2.120/160/200/210	331	326	KN 398...518	KL 398...638	256	69	15 min	115	KN 30...150	KL 30...270	185 x 185	1200
VL2.140	331	326	KN 398...518	KL 398...638	256	69	15 min	115	KN 30...150	KL 30...270	185 x 185	1200

VL3 D



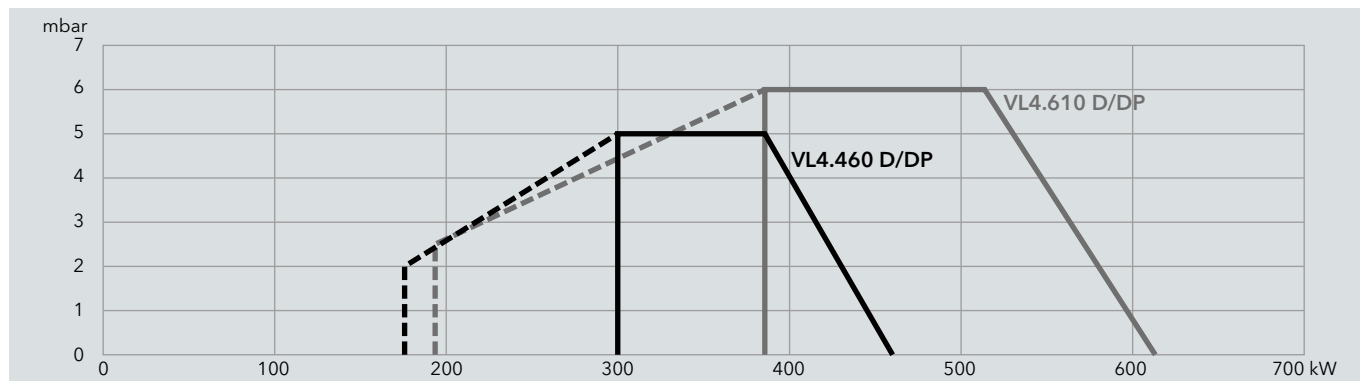
Model	A	B	C	D	E	F	Ø G	H		I	J
VL4 D/DP	465	475	640	377	97	149	150	KN 220	KL 360	245 x 245	1000

VECTRON light oil burners

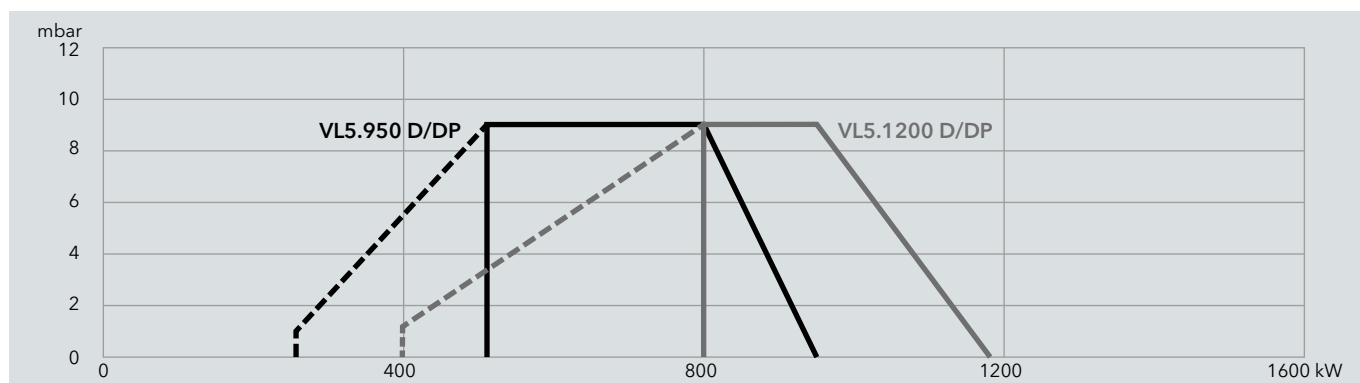
VL4 to VL6

Working fields

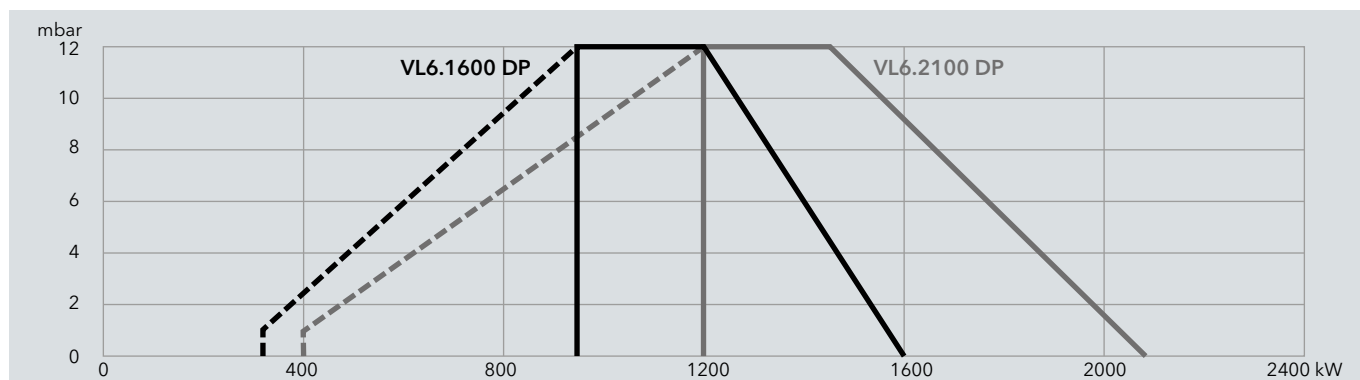
VL4 D, VL4 DP



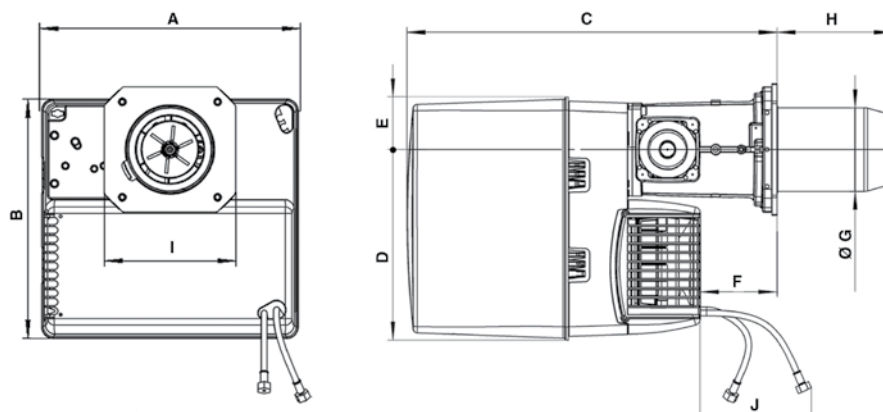
VL5 D, VL5 DP



VL6 DP

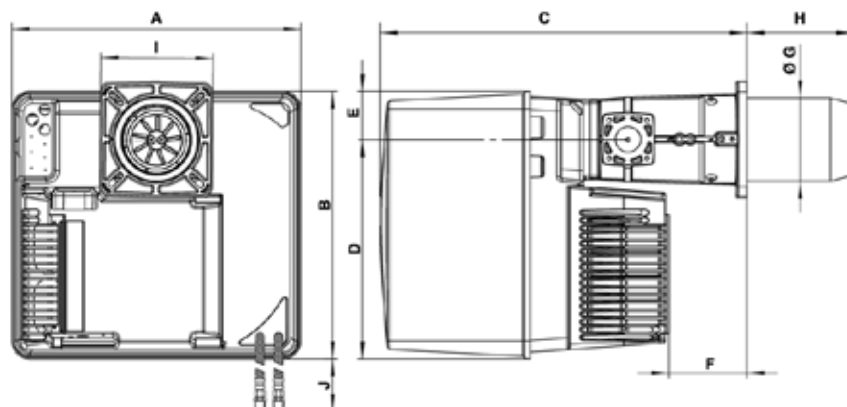


VL4 D, VL4 DP



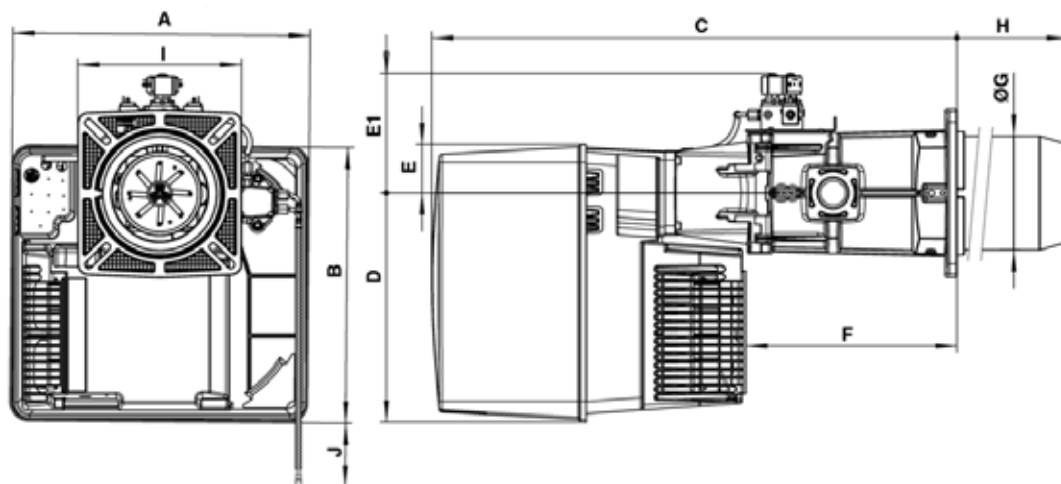
Model	A	B	C	D	E	F	Ø G	H		I	J
VL4 D/DP	465	475	640	377	97	149	150	KN 220	KL 360	245 x 245	1000

VL5 D, VL5 DP



Model	A	B	C	D	E	F	Ø G	H		I	J
VL5 D/DP	581	549	752	450	99	164	170	KN 215	KM 325	KL 435	230 x 238

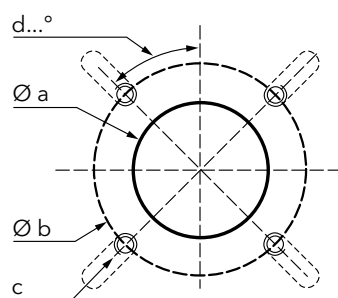
VL6 DP



Model	A	B	C	D	E	E1	F	Ø G	H		I	J
VL6 DP	592	553	1050	456	97	239	421	227	KN 270	KM 370	KL 470	326 x 335

Overall dimensions

Connecting flange



Gas burners	Ø a	Ø b	c	d
VG1.40/55	85...104	150...170	M8	45°
VG1.85/01.85	95...104	150...170	M8	45°
VG2	120...135	150...184	M8	45°
VG3	155...190	175...220	M10	45°
VG4	180...240	200...270	M10	45°
VG5	195	220...260	M10	45°
VG6	250	300...400	M12	45°

Light oil burners	Ø a	Ø b	c	d
VL1.40/55	85...104	150...170	M8	45°
VL1.95	95...104	150...170	M8	45°
VL2	120...135	150...184	M8	45°
VL3	155...190	175...220	M10	45°
VL4	180...240	200...270	M10	45°
VL5	195	220...260	M10	45°
VL6	250	300...400	M12	45°

Gas trains matching

Model	Burner range output [kW]	Natural gas pressure range for max power [mbar]	Gas train	Valve	Filter
VG1.40	14,5 - 40	20 ... 50	h3/8"-Rp1/2"	VR4625	Integrated
VG1.55	35 - 55	20 ... 50	h3/8"-Rp1/2"	VR4625	Integrated
VG1.85	45 - 85	20 ... 300	d3/4"-Rp3/4"	MB-DLE 407	Integrated
VG2.140	80 - 140	20 ... 300	d3/4"-Rp3/4"	MB-DLE 407	Integrated
VG2.200	130 - 200	20 ... 300	d3/4"-Rp3/4"	MB-DLE 407	Integrated
		20 ... 300	d1"1/4-Rp1"1/4	MB-ZRDLE 412	Integrated
VG01.85 D	42 (52,5) - 90	20 ... 300	d3/4"-Rp3/4"	MB-DLE 407	Integrated
VG2.120 D	(40) 80 - 120	20 ... 300	d3/4"-Rp3/4"	MB-ZRDLE 407	Integrated
VG2.160 D	(60) 110 - 160	20 ... 300	d3/4"-Rp3/4"	MB-ZRDLE 407	Integrated
VG2.210 D	(80) 150 - 210	20 ... 100	d1"1/4-Rp1"1/4	MB-ZRDLE 412	Integrated
	(80) 150 - 210	100 ... 300	d3/4"-Rp3/4"	MB-ZRDLE 407	Integrated
	(80) 140 - 180	20 ... 100	d3/4"-Rp3/4"	MB-ZRDLE 407	Integrated
VG3.290 D	(95) 190 - 290	20 ... 60	d1"1/4-Rp1"1/4	MB-ZRDLE 412	Integrated
		60 ... 300	d3/4"-Rp3/4"	MB-ZRDLE 407	Integrated
VG3.360 D	(120) 240 - 360	20 ... 30	d1"1/2-Rp2"	MB-ZRDLE 420	Integrated
		20 ... 60	d1"1/4-Rp1"1/4	MB-ZRDLE 412	Integrated
		60 ... 300	d3/4"-Rp3/4"	MB-ZRDLE 407	Integrated
VG4.460 D	(150) 300 - 460	20 ... 50	d1"1/2-Rp2"	MB-ZRDLE 420	Integrated
		20 ... 100	d1"1/4-Rp1"1/4	MB-ZRDLE 412	Integrated
		100 ... 300	d3/4"-Rp3/4"	MB-ZRDLE 407	Integrated
VG2.120 DP	(40) 80 - 120	20 ... 300	d333-3/4"-Rp3/4"	MB-VEF 407	Integrated
		20 ... 100	d332-3/4"-Rp3/4"	MB-VEF 407	Integrated
VG2.160 DP	(60) 110 - 160	20 ... 300	d347-3/4"-Rp3/4"	MB-VEF 407	Integrated
		20 ... 100	d345-3/4"-Rp3/4"	MB-VEF 407	Integrated
VG2.210 DP/V	(80) 150 - 210	20 ... 40	d1"1/4-Rp1"1/4	MB-VEF 412	Integrated
	(80) 150 - 210	40 ... 100	d346-3/4"-Rp3/4"	MB-VEF 407	Integrated
	(80) 150 - 180	100 ... 300	d345-3/4"-Rp3/4"	MB-VEF 407	Integrated
VG3.290 DP/V	(70) 190 - 290	20 ... 60	d1"1/4-Rp1"1/4	MB-VEF 412	Integrated
		60 ... 300	d3/4"-Rp1"	MB-VEF 407	External 1"
VG3.360 DP/V	(80) 240 - 360	20 ... 60	d1"1/2-Rp2"	MB-VEF 420	Pocket Filter
		20 ... 30	d1"1/4-Rp1"1/4	MB-VEF 412	Integrated
		60 ... 300	d3/4"-Rp1"	MB-VEF 407	External 1"

Gas trains matching

Model	Burner range output [kW]	Natural gas pressure range for max power [mbar]	Gas train	Valve	Filter
VG4.460 DP/V	(100) 300 - 460	20 ... 100	d1"1/2-Rp2"	MB-VEF 420	Pocket Filter
		100 ... 300	d1"1/4-Rp1"1/4	MB-VEF 412	Integrated
		100 ... 300	d3/4"-Rp1"	MB-VEF 407	External 1"
VG4.610 DP/V	(130) 390 - 610	20 ... 40	d1"1/2-Rp2"	MB-VEF 420	Pocket Filter
		40 ... 60	d1"1/4-Rp1"1/4	MB-VEF 412	Integrated
		60 ... 300	d3/4"-Rp1"	MB-VEF 407	External 1"
VG5.950 DP	(170) 510 - 950	20 ... 40	s2"-Rp2"	VGD 20-5011	External 2"
		40 ... 50	d1"1/2-Rp2"	MB-VEF 420	Pocket Filter
		50 ... 100	d1"1/4-Rp2"	MB-VEF 412	External 2"
		100 ... 300	d3/4"-Rp1"	MB-VEF 407	External 1"
VG5.1200 DP	(250) 750 - 1 160	20 ... 35	s65-DN65	VGD 40-065	External DN65
		35 ... 40	s2"-Rp2"	VGD 20-5011	External 2"
		40 ... 50	d1"1/2-Rp2"	MB-VEF 420	Pocket Filter
		50 ... 300	d1"1/4-Rp2"	MB-VEF 412	External 2"
VG6.1600 DP	(300) 890 - 1 600	30 ... 40	s80-DN80/TC	VGD 40-080	External DN80
		40 ... 50	s65-DN65/TC	VGD 40-065	External DN65
		50 ... 70	s2"-Rp2"/TC	VGD 20-5011	External 2"
		70 ... 100	d1"1/2-Rp2"/TC	MB-VEF 420	Pocket Filter
		100 ... 300	d1"1/4-Rp2"/TC	MB-VEF 412	External 2"
VG6.2100 DP	(400) 1 180 - 1 907	40 ... 50	s80-DN80/TC	VGD 40-080	External DN80
		50 ... 60	s65-DN65/TC	VGD 40-065	External DN65
		60 ... 70	s2"-Rp2"/TC	VGD 20-5011	External 2"
		70 ... 100	d1"1/2-Rp2"/TC	MB-VEF 420	Pocket Filter
		100 ... 300	d1"1/4-Rp2"/TC	MB-VEF 412	External 2"
VG2.120 M	(30) 80 - 120	20 ... 300	d3/4"-Rp3/4" /TC	MBC300	Integrated
VG2.160 M	(40) 110 - 160	20 ... 300	d3/4"-Rp3/4" /TC	MBC300	Integrated
VG2.210 M	(80) 136 - 210	20 ... 300	d3/4"-Rp3/4" /TC	MBC300	Integrated
VG3.290 M	(50) 190 - 290	20 ... 300	d3/4"-Rp1"1/4 /TC	MBC300	Integrated
VG3.360 M	(60) 240 - 360	20 ... 40	d1"1/2-Rp1"1/2 /TC	MBC700	Integrated
		40 ... 300	d3/4"-Rp1"1/4 /TC	MBC300	Integrated
VG4.460 M	(86) 300 - 460	20 ... 50	d1"1/2-Rp1"1/2 /TC	MBC700	Integrated
		50 ... 300	d3/4"-Rp1"1/4 /TC	MBC300	Integrated
VG4.610 M	(90) 390 - 610	20 ... 60	d1"1/2-Rp1"1/2 /TC	MBC700	Integrated
		60 ... 300	d3/4"-Rp1"1/4 /TC	MBC300	Integrated
VG5.950 M	(160) 510 - 900	20 ... 30	d65-DN65 /TC	MBC1900	External DN65
		30 ... 40	d2"-Rp2" /TC	MBC1200	Integrated
		40 ... 300	d1"1/2-Rp2" /TC	MBC700	Integrated
		300	d3/4"-Rp1"1/4 /TC	MBC300	Integrated
VG5.1200 M	(160) 750 - 1 200	20 ... 25	d65-DN65 /TC	MBC1900	External DN65
		25 ... 30	d2"-Rp2" /TC	MBC1200	Integrated
		30 ... 300	d1"1/2-Rp2" /TC	MBC700	Integrated
		300	d3/4"-Rp1"1/4 /TC	MBC300	Integrated
VG6.1600 M	(300) 890 - 1 600	20 ... 25	s65-DN65 /TC	VGD 40-065	External DN65
		20 ... 25	d65-DN65 /TC	MBC1900	External DN65
		25 ... 30	d2"-Rp2" /TC	MBC1200	Integrated
		30 ... 300	d1"1/2-Rp2" /TC	MBC700	Integrated
VG6.2100 M	(400) 1 180 - 1 907	20 ... 25	s65-DN65 /TC	VGD 40-065	External DN65
		20 ... 60	d65-DN65 /TC	MBC1900	External DN65
		60 ... 80	d2"-Rp2" /TC	MBC1200	Integrated
		80 ... 300	d1"1/2-Rp2" /TC	MBC700	Integrated

Gas trains matching

Model	Burner range output [kW]	Natural gas pressure range for max power [mbar]	Gas train	Valve	Filter
VGL2.120	35 - 120	20 ... 300	d3/4"-Rp3/4"	MB-DLE 407	Integrated
VGL2.210	100 - 190	20 ... 300	d3/4"-Rp3/4"	MB-DLE 407	Integrated
VGL3.290 D	(95) 190 - 290	20 ... 60	d1"1/4-Rp1"1/4	MB-ZRDLE 412	Integrated
		60 ... 300	d3/4"-Rp3/4"	MB-ZRDLE 407	Integrated
VGL3.360 D	(120) 240 - 360	20 ... 30	d1"1/2-Rp2"	MB-ZRDLE 420	Integrated
		20 ... 60	d1"1/4-Rp1"1/4	MB-ZRDLE 412	Integrated
		60 ... 300	d3/4"-Rp3/4"	MB-ZRDLE 407	Integrated
VGL4.460 DP	(168) 300 - 460	20 ... 100	d1"1/2-Rp2"	MB-VEF 420	Pocket Filter
		100 ... 300	d1"1/4-Rp1"1/4	MB-VEF 412	Integrated
		100 ... 300	d3/4"-Rp1"	MB-VEF 407	External 1"
VGL4.610 DP	(190) 360 - 610	20 ... 40	d1"1/2-Rp2"	MB-VEF 420	Pocket Filter
		40 ... 60	d1"1/4-Rp1"1/4	MB-VEF 412	Integrated
		60 ... 300	d3/4"-Rp1"	MB-VEF 407	External 1"

Notes

Subsidiaries and worldwide network



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