

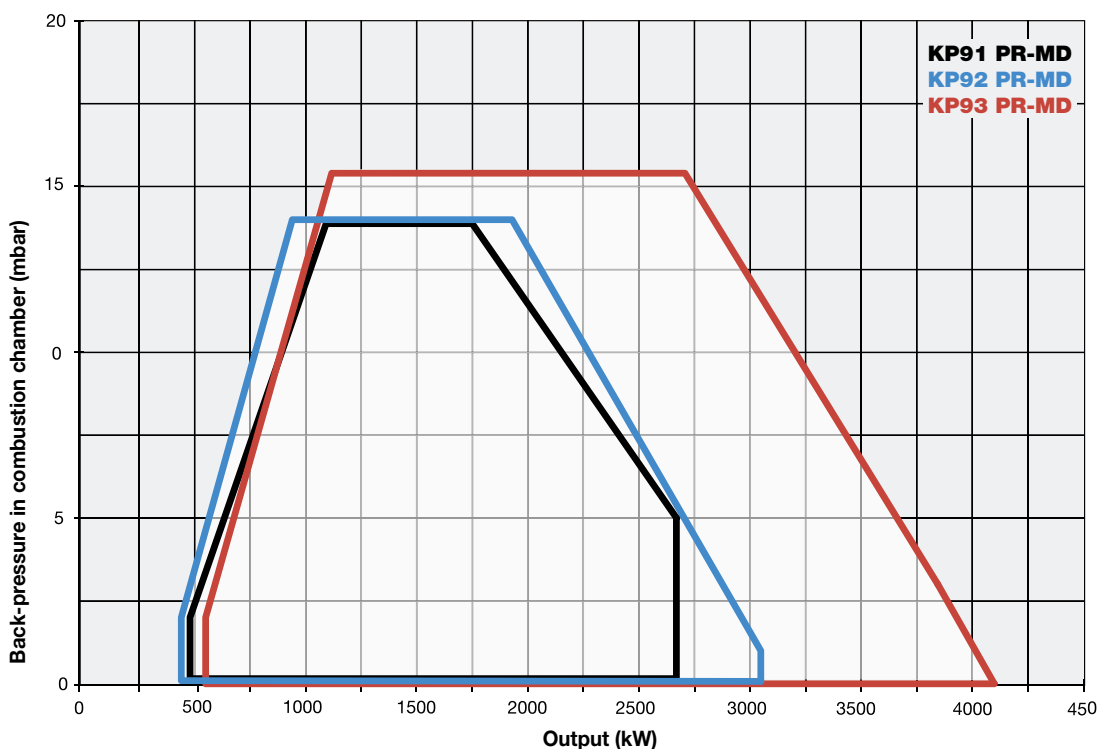
novanta SERIES **KP91 KP92 KP93** **MECHANICAL ATOMIZATION** with viscosity up to 400 cSt at 50°C (50°E at 50°C)

GAS/HEAVY OIL

The dual flue series KP, suitable for industrial applications up to 4.100 kW, perfectly combines the mechanical devices and systems typical of gas burners with the ones of heavy oil burners. In this manner these burners can burn the two flues separately. This is possible because these burners are equipped with an independent electric motor for the activation of the oil pump. As a consequence, during gas firing the oil pump motor does not operate and remains off.

The burners are, therefore, provided with an UV photocell to control the flame during the operation. These burners are provided with a pre-heating tank equipped with low thermal load electrical resistance to ensure oil fluidity.

All burners, with progressive or modulating operation, have been built to burn fuels whose standard viscosity is 50 cSt at 50°C (7 E° at 50°C). Upon request it is available the version for heavy oils up to 400 cSt at 50°C (50 E° at 50°C) completed with the heating cable for the oil lance.



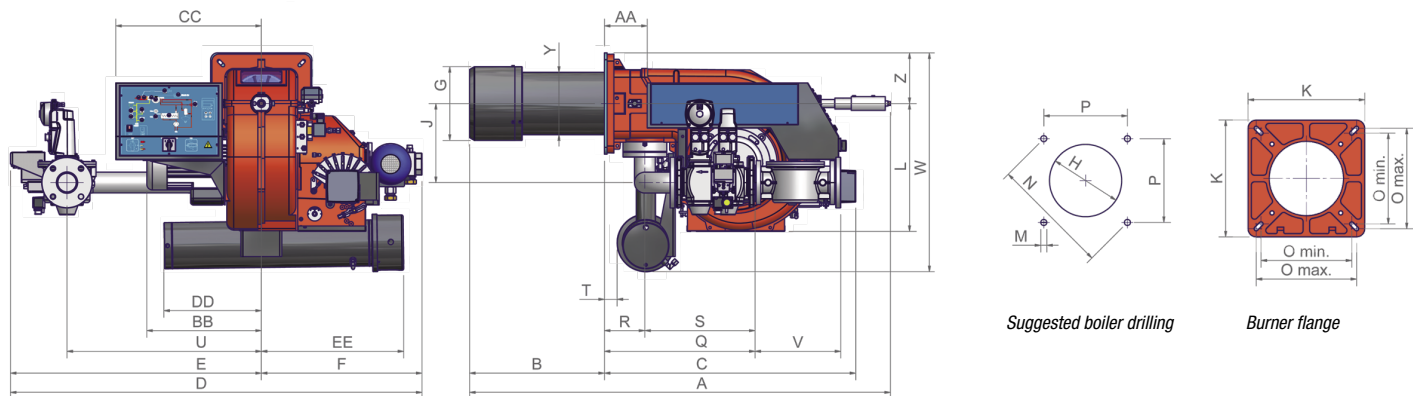
KP91 KP92 KP93 novanta SERIES

MECHANICAL ATOMIZATION
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

TECHNICAL DETAILS

Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor kW	Pump motor kW	Resistor kW	Gas connections	
		min.	max.						Rp	
KP91	MN.xx.S.xx.A.1.xxx	480	2.670	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	4,0	1,1	18	2" - DN65 - DN80 - DN100	
KP92	MN.xx.S.xx.A.1.xxx	480	3.050	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	1,1	18	2" - DN65 - DN80 - DN100	
KP93	MN.xx.S.xx.A.1.xxx	550	4.100	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	1,1	24	2" - DN65 - DN80 - DN100	

For the configuration of the gas train, see page 112-113.



Type	Packaging dimensions (mm)			
	l	p	h	kg
KP91	1730	1280	1020	370
KP92	1730	1280	1020	370
KP93	1730	1280	1020	370

Approximate values

Type	Model	Overall dimensions (mm)																																			
		A	AA	AC	AD	AE	AN	AP	B	BB	C	CC	D	DD	E	EE	F	G	H	I	J	K	L	M	N	O		P	Q	R	S	T	U	V	W	Y	Z
																										min		max									
KP91	MN.xx.S.xx.A.1.50	1550	152	343	35	473	429	100	520	441	1030	533	1345	464	726	441	619	304	344	228	329	360	466	M12	424	280	310	300	522	148	374	44	624	216	783	240	185
KP91	MN.xx.S.xx.A.1.65	1550	152	343	35	473	405	117	520	441	1030	533	1494	464	875	441	619	304	344	228	288	360	466	M12	424	280	310	300	632	148	484	44	750	292	783	240	185
KP91	MN.xx.S.xx.A.1.80	1550	152	343	35	473	439	132	520	441	1030	533	1496	464	877	441	619	304	344	228	307	360	466	M12	424	280	310	300	683	148	535	44	750	313	783	240	185
KP91	MN.xx.S.xx.A.1.100	1550	152	343	35	473	592	145	520	441	1030	533	1586	464	967	441	619	304	344	228	447	360	466	M12	424	280	310	300	790	148	642	44	824	353	783	240	185
KP92	MN.xx.S.xx.A.1.50	1550	152	343	35	473	429	100	520	441	1030	533	1345	464	726	441	619	304	344	228	329	360	466	M12	424	280	310	300	522	148	374	44	624	216	783	240	185
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KP92	MN.xx.S.xx.A.1.80	1550	152	343	35	473	439	132	520	441	1030	533	1496	464	877	441	619	304	344	228	307	360	466	M12	424	280	310	300	683	148	535	44	750	313	783	240	185
KP92	MN.xx.S.xx.A.1.100	1550	152	343	35	473	592	145	520	441	1030	533	1586	464	967	441	619	304	344	228	447	360	466	M12	424	280	310	300	790	148	642	44	824	353	783	240	185
KP93	MN.xx.S.xx.A.1.50	1525	152	343	35	473	429	100	495	460	1030	533	1345	464	726	441	619	304	344	228	329	360	466	M12	424	280	310	300	522	148	374	44	624	216	783	248	185
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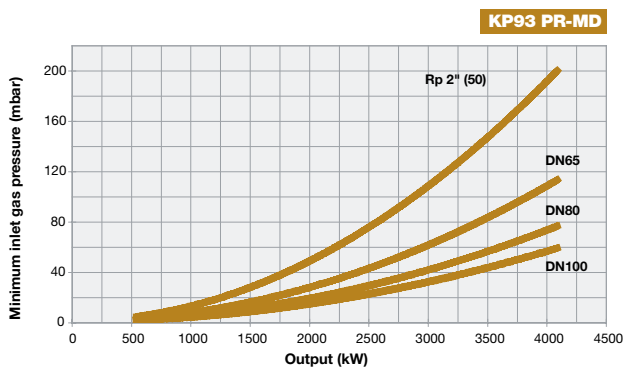
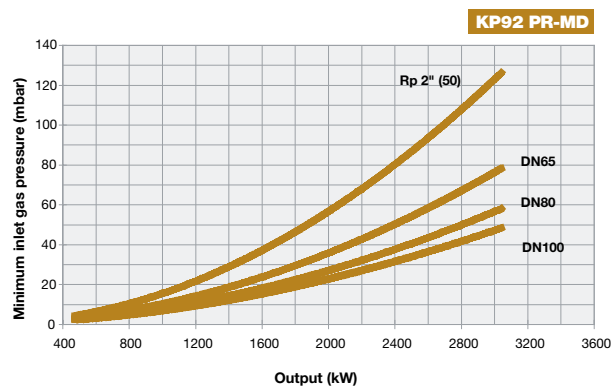
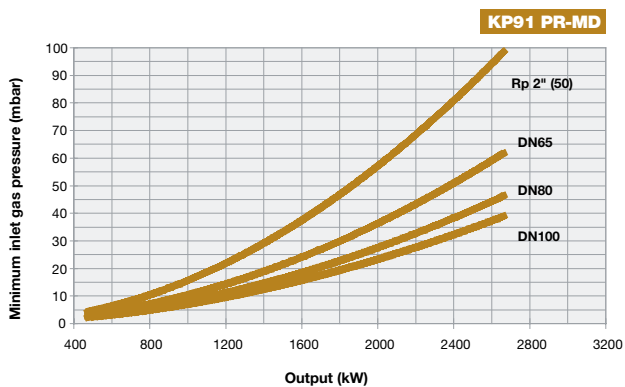
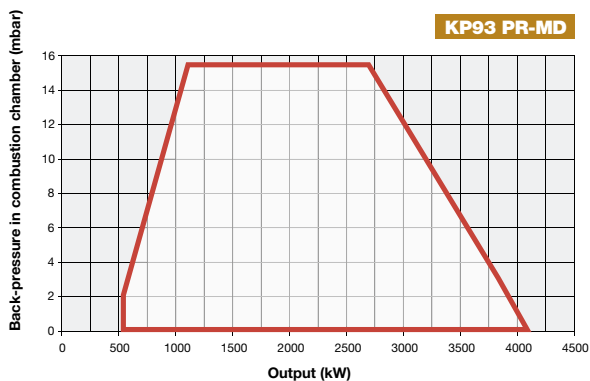
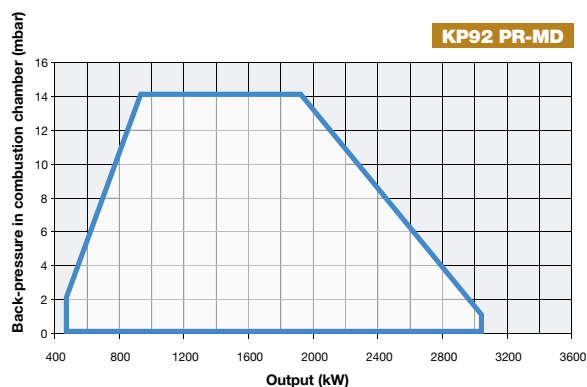
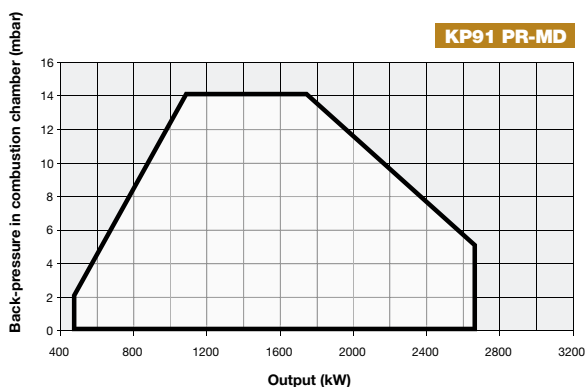
Approximate values

NOTE: dimensions with Siemens VGD valves

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with viscosity up to 400 cSt at 50°C (50°E at 50°C)

GAS/HEAVY OIL



Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.