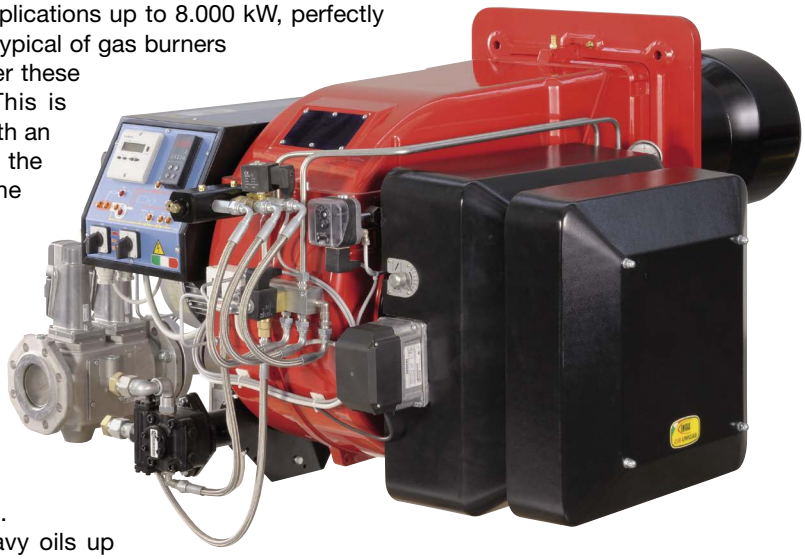
KR512 KR515 KR520 KR525 cinquecento SERIES

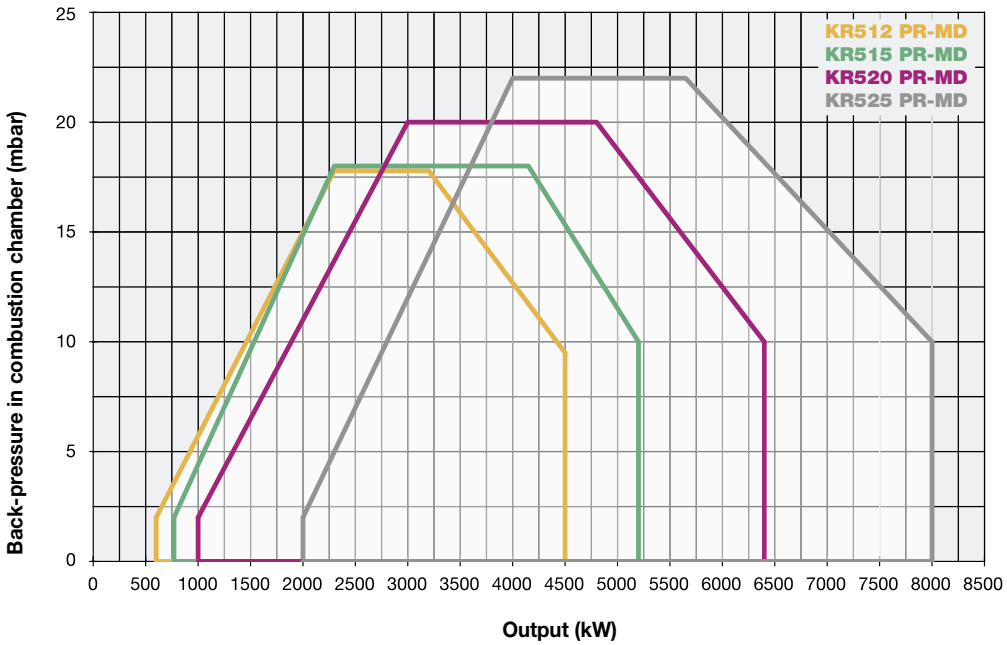
MECHANICAL ATOMIZATION
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

The dual flue series KP, suitable for industrial applications up to 8.000 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) complete with the heating cable for the oil lance.



KR512

KR15 - KR520 - KR525 models
Oil pump set (pump, motor, oil tank and filter) is included, (not assembled on the burner).



cinquecento SERIES KR512 KR515 KR520 KR525

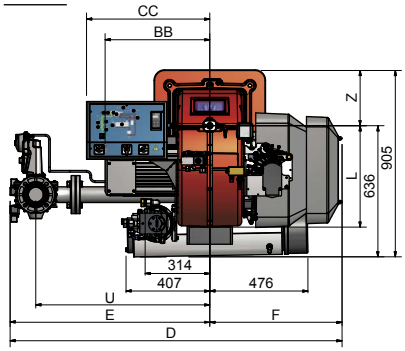
MECHANICAL ATOMIZATION
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

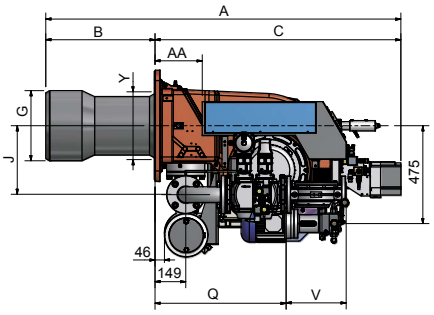
TECHNICAL DETAILS

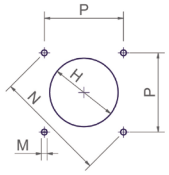
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Resistor	Gas connections	Noise level
		min.	max.			kW	kW	kW	Rp	dBA
KR512	MN.xx.S.xx.A.1.xxx	600	4.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	9,2	1,5	24	2" - DN65 - 80 - DN100	81,7
KR515	MN.xx.S.xx.A.1.xxx	770	5.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	11,0	1,5	12 + 18	2" - DN65 - 80 - DN100	82,3
KR520	MN.xx.S.xx.A.1.xxx	1.000	6.400	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	15,0	2,2	18 + 24	2" - DN65 - 80 - DN100	83,2
KR525	MN.xx.S.xx.A.1.xxx	2.000	8.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	2,2	24 + 24	DN65 - DN80 - DN100	84,9

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

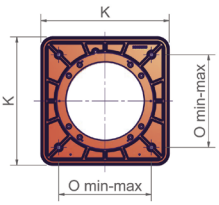
KR512





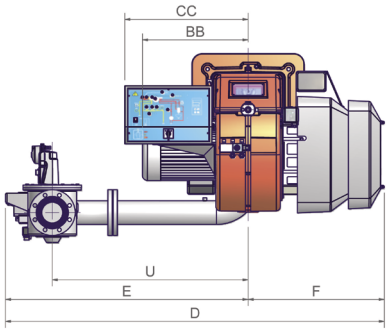


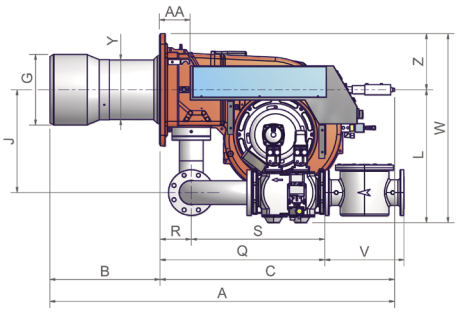
Suggested boiler drilling



Burner flange

KR515 - KR520 - KR525





Type	Packaging dimensions (mm)			
	l	p	h	kg
KR512	1.760	1.470	1.300	470
KR515	1.760	1.470	1.300	470
KR520	1.760	1.470	1.300	470
KR525	1.800	1.500	1.300	480

Approximate values

In the KR515 KR520 KR525 model, oil pump set (pump, motor, oil tank and filter) is included, but supplied loose (not assembled on the burner).

Type	Model	Overall dimensions (mm)																									
		A	AA	B	BB	C	CC	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	S	U	V	W	Y	Z
KR512	MN.xx.S.xx.A.1.50	1766	144	555	508	1211	598	1713	1071	642	380	420	494	540	492	M14	552	390	390	755	-	605	845	216	-	328	270
KR512	MN.xx.S.xx.A.1.65	1766	144	555	508	1211	598	1693	1051	642	380	420	494	540	492	M14	552	390	390	634	-	485	845	292	-	328	270
KR512	MN.xx.S.xx.A.1.80	1766	144	555	508	1211	598	1726	1084	642	380	420	494	540	492	M14	552	390	390	685	-	535	875	322	-	328	270
KR512	MN.xx.S.xx.A.1.100	1766	144	555	508	1211	598	1809	1167	642	380	420	494	540	492	M14	552	390	390	792	-	642	942	382	-	328	270
KR515	MN.xx.S.xx.A.1.50	1741	144	530	508	1211	598	1713	1071	642	380	420	494	540	492	M14	552	390	390	755	150	605	845	216	759	328	270
KR515	MN.xx.S.xx.A.1.65	1741	144	530	508	1211	598	1693	1051	642	380	420	494	540	492	M14	552	390	390	634	150	485	845	292	759	328	270
KR515	MN.xx.S.xx.A.1.80	1741	144	530	508	1211	598	1726	1084	642	380	420	494	540	492	M14	552	390	390	685	150	535	875	322	759	328	270
KR515	MN.xx.S.xx.A.1.100	1741	144	530	508	1211	598	1809	1167	642	380	420	494	540	492	M14	552	390	390	792	150	642	942	382	759	328	270
KR520	MN.xx.S.xx.A.1.50	1761	144	550	508	1211	598	1713	1071	642	434	484	494	540	492	M14	552	390	390	755	150	605	845	216	759	328	270
KR520	MN.xx.S.xx.A.1.65	1761	144	550	508	1211	598	1693	1051	642	434	484	494	540	492	M14	552	390	390	634	150	485	845	292	759	328	270
KR520	MN.xx.S.xx.A.1.80	1761	144	550	508	1211	598	1726	1084	642	434	484	494	540	492	M14	552	390	390	685	150	535	875	322	759	328	270
KR520	MN.xx.S.xx.A.1.100	1761	144	550	508	1211	598	1809	1167	642	434	484	494	540	492	M14	552	390	390	792	150	642	942	382	759	328	270
KR525	MN.xx.S.xx.A.1.50	1741	144	530	650	1211	598	1713	1071	642	454	504•	494	540	492	M14	552	390	390	755	150	605	845	216	759	343	270
KR525	MN.xx.S.xx.A.1.65	1741	144	530	650	1211	598	1693	1051	642	454	504•	494	540	492	M14	552	390	390	634	150	485	845	292	759	343	270
KR525	MN.xx.S.xx.A.1.80	1741	144	530	650	1211	598	1726	1084	642	454	504•	494	540	492	M14	552	390	390	685	150	535	875	322	759	343	270
KR525	MN.xx.S.xx.A.1.100	1741	144	530	650	1211	598	1809	1167	642	454	504•	494	540	492	M14	552	390	390	792	150	642	942	382	759	343	270

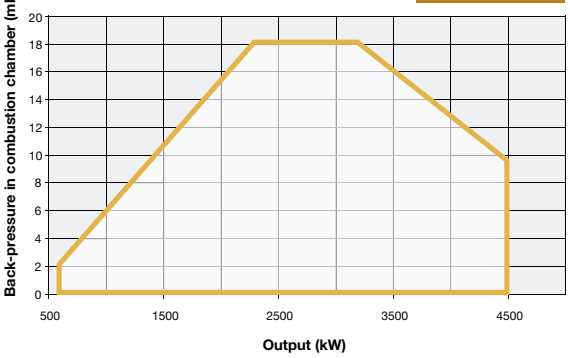
Approximate values

- Install a counter-flange between the burner and the boiler or in alternative, drill the H hole smaller but higher than the Y point and assemble the combustion head inside the boiler.

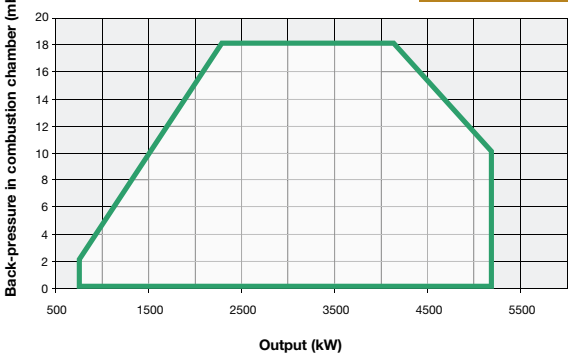
NOTE: dimensions with Siemens VGD valves.

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

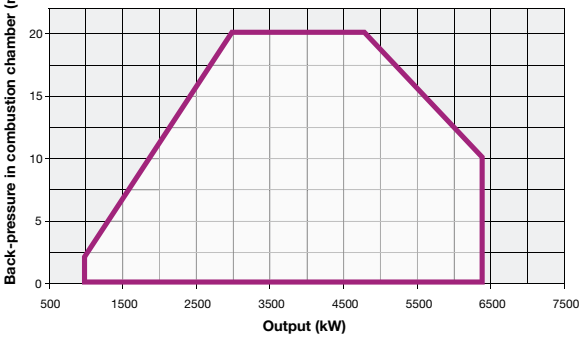
KR512 PR-MD



KR515 PR-MD



KR520 PR-MD



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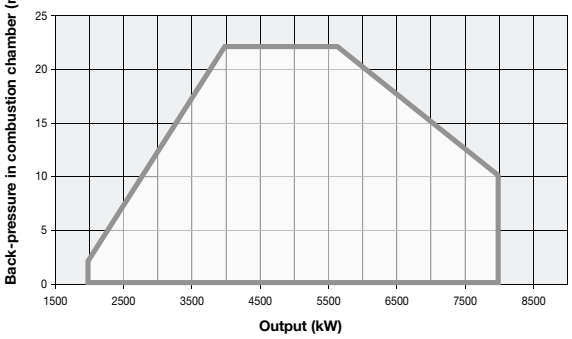
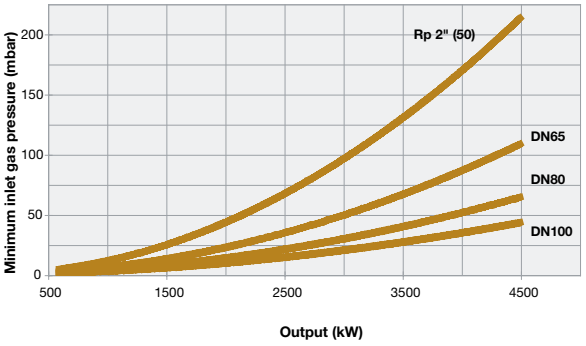


KR512 PR-MD



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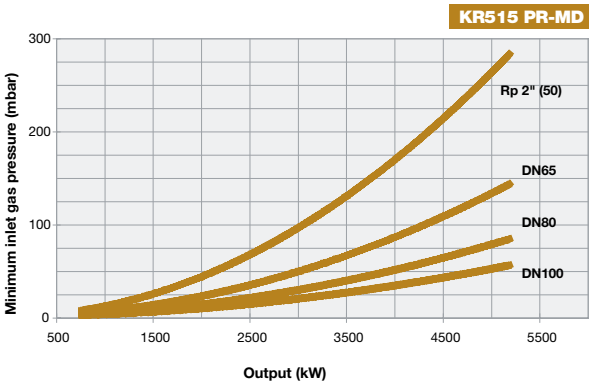

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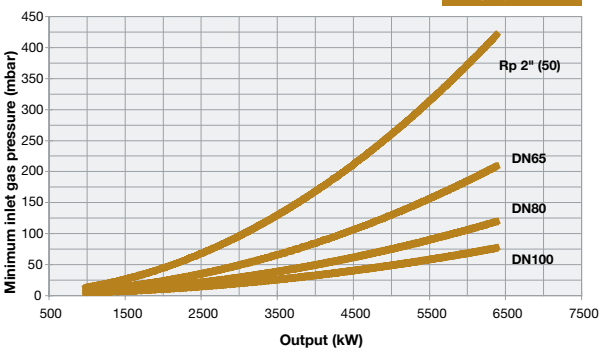

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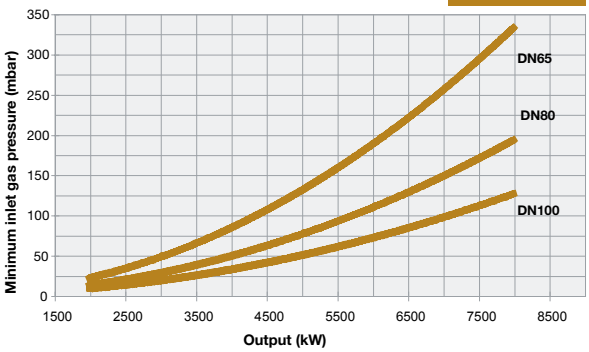

Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.