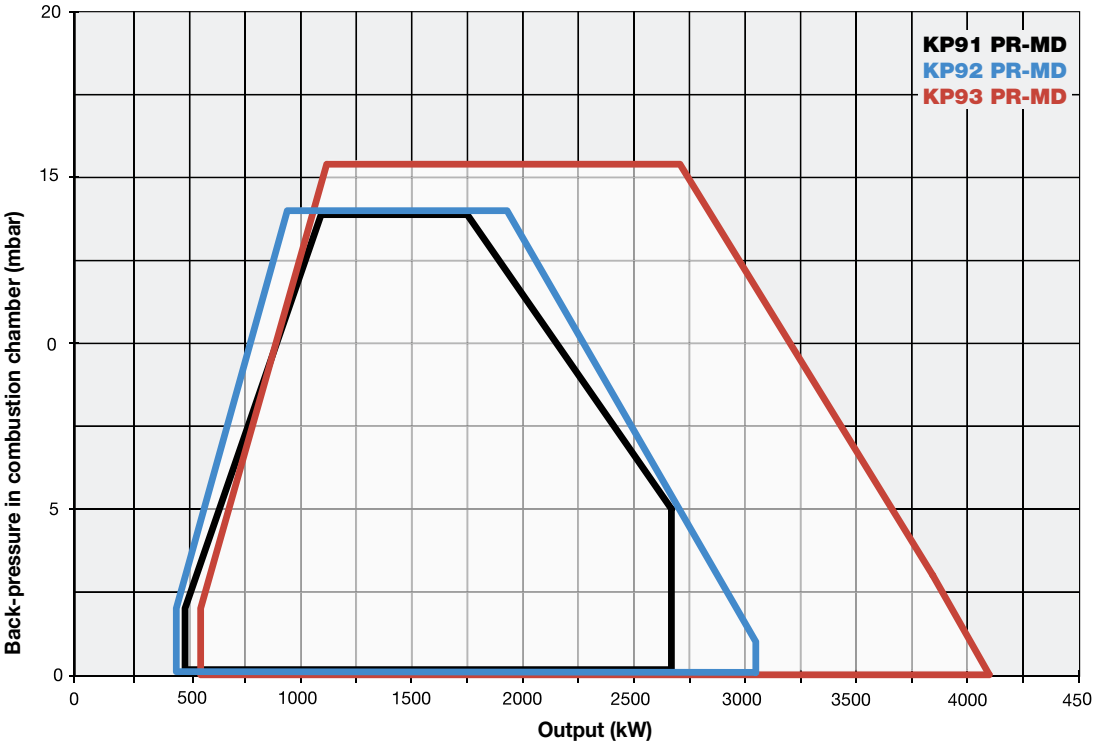
novanta SERIES KP91 KP92 KP93

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 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.



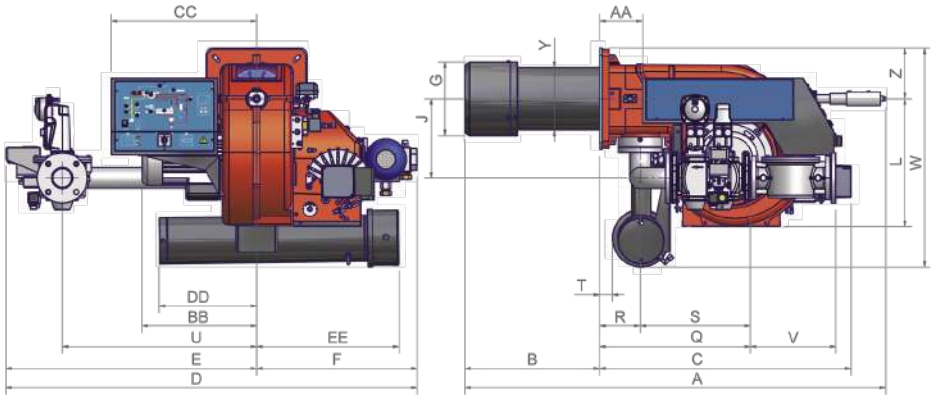
KP91 KP92 KP93 novanta SERIES

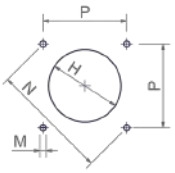
MECHANICAL ATOMIZATION
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

TECHNICAL DETAILS

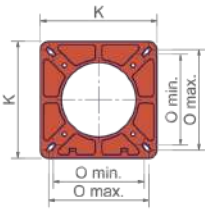
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Resistor	Gas connections
		min.	max.			kW	kW	kW	Rp
KP91	MN.xx.S.xx.A.1.xxx	480	2.670	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	4,0	1,1	18	2" - DN65 - DN80 - DN100
KP92	MN.xx.S.xx.A.1.xxx	480	3.050	230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





Suggested boiler drilling



Burner flange

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
KP92	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
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
KP93	MN.xx.S.xx.A.1.65	1525	152	343	35	473	405	117	495	460	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	248	185
KP93	MN.xx.S.xx.A.1.80	1525	152	343	35	473	439	132	495	460	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	248	185
KP93	MN.xx.S.xx.A.1.100	1525	152	343	35	473	592	145	495	460	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	248	185

Approximate values
NOTE: dimensions with Siemens VGD valves

novanta SERIES KP91 KP92 KP93

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

MECHANICAL OPERATION

Model	Gas train	Operation	KP91 Code	KP91 Price €	KP92 Code	KP92 Price €	KP93 Code	KP93 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MN.PR.S.xx.A.1.50	2”	PR (*)	012081753		012082153		012081353	
MN.PR.S.xx.A.1.65	DN65	PR (*)	012081853		012082253		012081453	
MN.PR.S.xx.A.1.80	DN80	PR (*)	012081953		012082353		012081553	
MN.PR.S.xx.A.1.100	DN100	PR (*)	012082053		012082453		012081653	
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)								
MD.PR.S.xx.A.1.50	2”	PR (*)	012191753		012192153		012191353	
MD.PR.S.xx.A.1.65	DN65	PR (*)	012191853		012192253		012191453	
MD.PR.S.xx.A.1.80	DN80	PR (*)	012191953		012192353		012191553	
MD.PR.S.xx.A.1.100	DN100	PR (*)	012192053		012192453		012191653	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

KP91 KP92 KP93 novanta SERIES

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

ELECTRONIC OPERATION

Model	Gas train	Operation	KP91 Code	KP91 Price €	KP92 Code	KP92 Price €	KP93 Code	KP93 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MN.PR.S.xx.A.1.50.EC	2"	PR (*)	01208175C		01208215C		01208135C	
MN.PR.S.xx.A.1.65.EC	DN65	PR (*)	01208185C		01208225C		01208145C	
MN.PR.S.xx.A.1.80.EC	DN80	PR (*)	01208195C		01208235C		01208155C	
MN.PR.S.xx.A.1.100.EC	DN100	PR (*)	01208205C		01208245C		01208165C	
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)								
MD.PR.S.xx.A.1.50.EC	2"	PR (*)	01219175C		01219215C		01219135C	
MD.PR.S.xx.A.1.65.EC	DN65	PR (*)	01219185C		01219225C		01219145C	
MD.PR.S.xx.A.1.80.EC	DN80	PR (*)	01219195C		01219235C		01219155C	
MD.PR.S.xx.A.1.100.EC	DN100	PR (*)	01219205C		01219245C		01219165C	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

ELECTRONIC OPERATION

Model	Gas train	Operation	KP91 Code	KP91 Price €	KP92 Code	KP92 Price €	KP93 Code	KP93 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MN.MD.S.xx.A.1.50.ES	2"	MD (**)	01208175S		01208215S		01208135S	
MN.MD.S.xx.A.1.65.ES	DN65	MD (**)	01208185S		01208225S		01208145S	
MN.MD.S.xx.A.1.80.ES	DN80	MD (**)	01208195S		01208235S		01208155S	
MN.MD.S.xx.A.1.100.ES	DN100	MD (**)	01208205S		01208245S		01208165S	
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)								
MD.MD.S.xx.A.1.50.ES	2"	MD (**)	01219175S		01219215S		01219135S	
MD.MD.S.xx.A.1.65.ES	DN65	MD (**)	01219185S		01219225S		01219145S	
MD.MD.S.xx.A.1.80.ES	DN80	MD (**)	01219195S		01219235S		01219155S	
MD.MD.S.xx.A.1.100.ES	DN100	MD (**)	01219205S		01219245S		01219165S2	

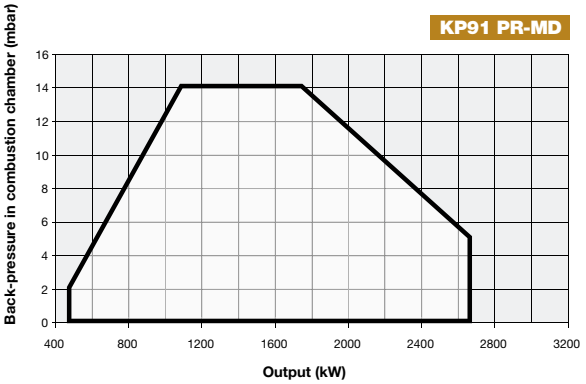
(**) The burners are already MD version.
In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

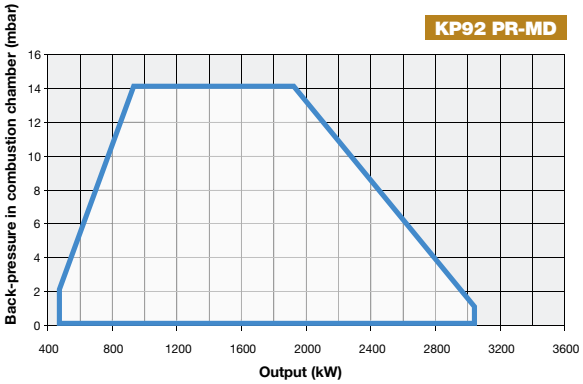
novanta SERIES KP91 KP92 KP93

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

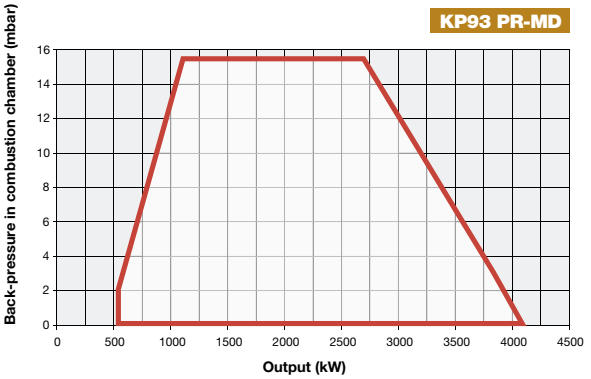
KP91 PR-MD



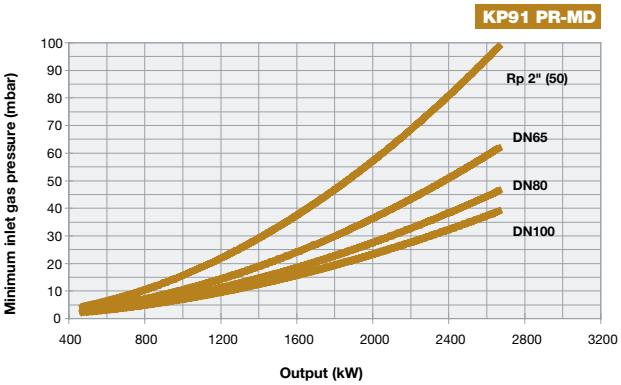
KP92 PR-MD



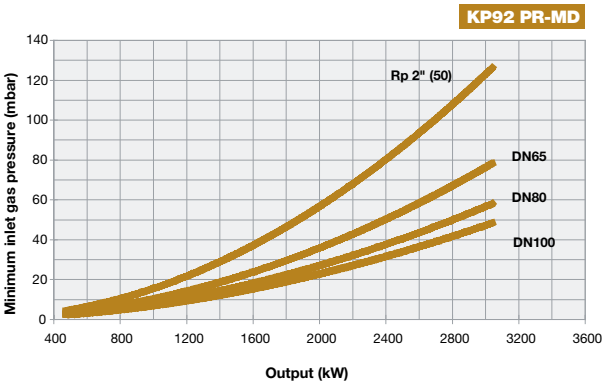
KP93 PR-MD



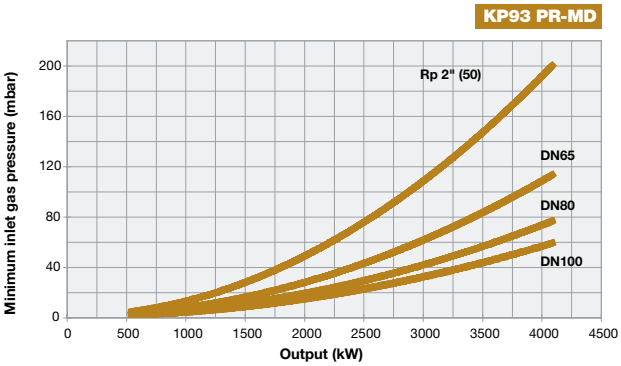
KP91 PR-MD



KP92 PR-MD



KP93 PR-MD



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.

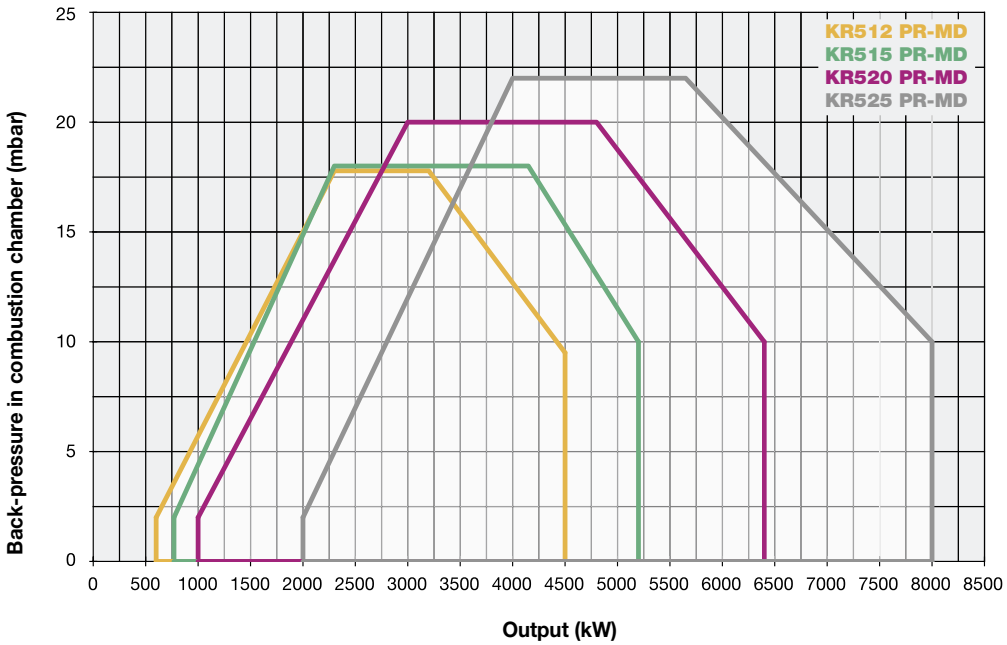
KR512 KR515 KR520 KR525 cinquecento SERIES

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

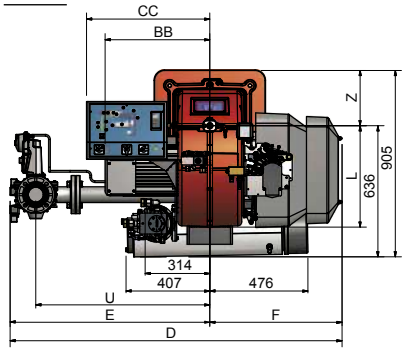
MECHANICAL ATOMIZATION
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

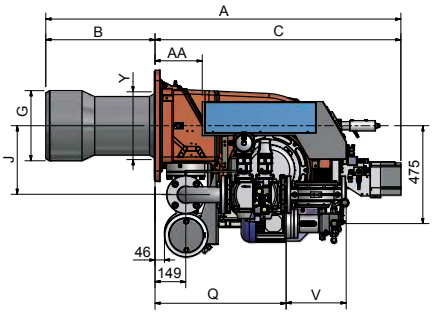
TECHNICAL DETAILS

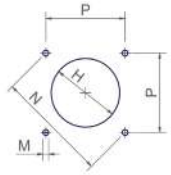
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Resistor	Gas connections	Noise level
		min.	max.			kW	kW	kW	Rp	dBA
KR512	MN.xx.S.xx.A.1.xxx	600	4.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	9,2	1,5	24	2" - DN65 - 80 - DN100	81,7
KR515	MN.xx.S.xx.A.1.xxx	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.

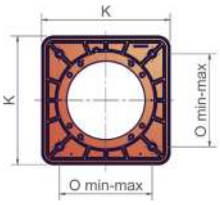
KR512





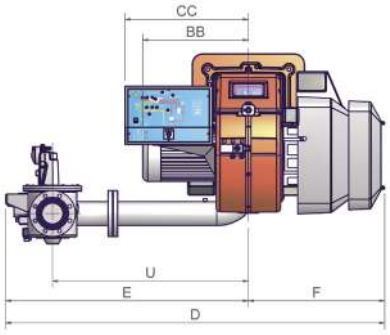


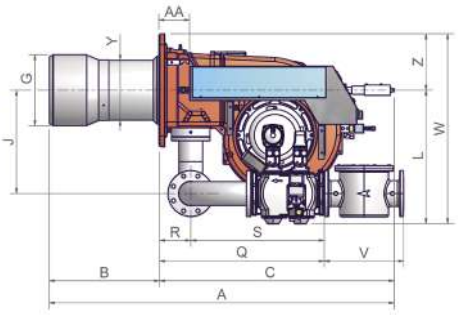
Suggested boiler drilling



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.

KR512 KR515 KR520 KR525 cinquecento SERIES

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

MECHANICAL OPERATION

Model	Gas train	Operation	KR512 Code	KR512 Price €	KR515 Code	KR515 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)						
MN.PR.S.xx.A.1.50	2"	PR (*)	029080153		029080553	
MN.PR.S.xx.A.1.65	DN65	PR (*)	029080253		029080653	
MN.PR.S.xx.A.1.80	DN80	PR (*)	029080353		029080753	
MN.PR.S.xx.A.1.100	DN100	PR (*)	029080453		029080853	

Model	Gas train	Operation	KR520 Code	KR520 Price €	KR525 Code	KR525 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)						
MN.PR.S.xx.A.1.50	2"	PR (*)	029080953		-	
MN.PR.S.xx.A.1.65	DN65	PR (*)	029081053		029081453	
MN.PR.S.xx.A.1.80	DN80	PR (*)	029081153		029081553	
MN.PR.S.xx.A.1.100	DN100	PR (*)	029081253		029081653	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU - Low Tension Directive 2014/35/UE - Electromagnetic Compatibility Directive 2014/30/UE - Machinery Directive 2006/42/CE

MECHANICAL OPERATION

Model	Gas train	Operation	KR512 Code	KR512 Price €	KR515 Code	KR515 Price €
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)						
MD.PR.S.xx.A.1.50	2"	PR (*)	029190153		029190553	
MD.PR.S.xx.A.1.65	DN65	PR (*)	029190253		029190653	
MD.PR.S.xx.A.1.80	DN80	PR (*)	029190353		029190753	
MD.PR.S.xx.A.1.100	DN100	PR (*)	029190453		029190853	

Model	Gas train	Operation	KR520 Code	KR520 Price €	KR525 Code	KR525 Price €
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)						
MD.PR.S.xx.A.1.50	2"	PR (*)	029190953		-	
MD.PR.S.xx.A.1.65	DN65	PR (*)	029191053		029191453	
MD.PR.S.xx.A.1.80	DN80	PR (*)	029191153		029191553	
MD.PR.S.xx.A.1.100	DN100	PR (*)	029191253		029191653	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU - Low Tension Directive 2014/35/UE - Electromagnetic Compatibility Directive 2014/30/UE - Machinery Directive 2006/42/CE

cinquecento SERIES KR512 KR515 KR520 KR525

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

ELECTRONIC OPERATION

			KR512		KR515	
Model	Gas train	Operation	Code	Price €	Code	Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)						
MN.PR.S.xx.A.1.50.EC	2”	PR (*)	02908015C		02908055C	
MN.PR.S.xx.A.1.65.EC	DN65	PR (*)	02908025C		02908065C	
MN.PR.S.xx.A.1.80.EC	DN80	PR (*)	02908035C		02908075C	
MN.PR.S.xx.A.1.100.EC	DN100	PR (*)	02908045C		02908085C	

			KR520		KR525	
Model	Gas train	Operation	Code	Price €	Code	Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)						
MN.PR.S.xx.A.1.50.EC	2”	PR (*)	02908095C		-	
MN.PR.S.xx.A.1.65.EC	DN65	PR (*)	02908105C		02908145C	
MN.PR.S.xx.A.1.80.EC	DN80	PR (*)	02908115C		02908155C	
MN.PR.S.xx.A.1.100.EC	DN100	PR (*)	02908125C		02908165C	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU - Low Tension Directive 2014/35/UE - Electromagnetic Compatibility Directive 2014/30/UE - Machinery Directive 2006/42/CE

ELECTRONIC OPERATION

			KR512		KR515	
Model	Gas train	Operation	Code	Price €	Code	Price €
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)						
MD.PR.S.xx.A.1.50.EC	2”	PR (*)	02919015C		02919055C	
MD.PR.S.xx.A.1.65.EC	DN65	PR (*)	02919025C		02919065C	
MD.PR.S.xx.A.1.80.EC	DN80	PR (*)	02919035C		02919075C	
MD.PR.S.xx.A.1.100.EC	DN100	PR (*)	02919045C		02919085C	

			KR520		KR525	
Model	Gas train	Operation	Code	Price €	Code	Price €
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)						
MD.PR.S.xx.A.1.50.EC	2”	PR (*)	02919095C		-	
MD.PR.S.xx.A.1.65.EC	DN65	PR (*)	02919105C		02919145C	
MD.PR.S.xx.A.1.80.EC	DN80	PR (*)	02919115C		02919155C	
MD.PR.S.xx.A.1.100.EC	DN100	PR (*)	02919125C		02919165C	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU - Low Tension Directive 2014/35/UE - Electromagnetic Compatibility Directive 2014/30/UE - Machinery Directive 2006/42/CE

KR512 KR515 KR520 KR525 cinquecento SERIES

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

ELECTRONIC OPERATION

Model	Gas train	Operation	KR512 Code	KR512 Price €	KR515 Code	KR515 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)						
MN.MD.S.xx.A.1.50.ES	2”	MD (**)	02908015S28		02908055S28	
MN.MD.S.xx.A.1.65.ES	DN65	MD (**)	02908025S28		02908065S28	
MN.MD.S.xx.A.1.80.ES	DN80	MD (**)	02908035S28		02908075S28	
MN.MD.S.xx.A.1.100.ES	DN100	MD (**)	02908045S28		02908085S28	

Model	Gas train	Operation	KR520 Code	KR520 Price €	KR525 Code	KR525 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)						
MN.MD.S.xx.A.1.50.ES	2”	MD (**)	02908095S		-	
MN.MD.S.xx.A.1.65.ES	DN65	MD (**)	02908105S		02908145S	
MN.MD.S.xx.A.1.80.ES	DN80	MD (**)	02908115S		02908155S	
MN.MD.S.xx.A.1.100.ES	DN100	MD (**)	02908125S		02908165S	

(**) The burners are already MD version.
In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).
In compliance with:
- GAR Directive 2016/426/EU - Low Tension Directive 2014/35/UE - Electromagnetic Compatibility Directive 2014/30/UE - Machinery Directive 2006/42/CE

ELECTRONIC OPERATION

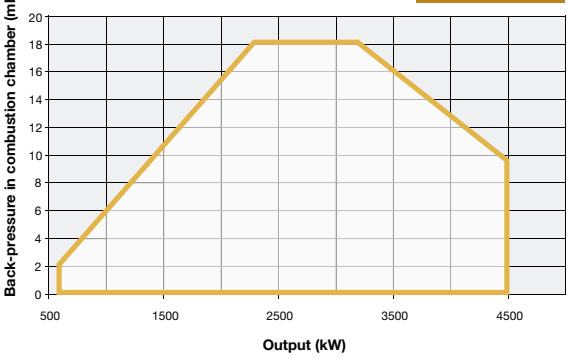
Model	Gas train	Operation	KR512 Code	KR512 Price €	KR515 Code	KR515 Price €
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)						
MD.MD.S.xx.A.1.50.ES	2”	MD (**)	02919015S		02919055S	
MD.MD.S.xx.A.1.65.ES	DN65	MD (**)	02919025S		02919065S	
MD.MD.S.xx.A.1.80.ES	DN80	MD (**)	02919035S		02919075S	
MD.MD.S.xx.A.1.100.ES	DN100	MD (**)	02919045S		02919085S	

Model	Gas train	Operation	KR520 Code	KR520 Price €	KR525 Code	KR525 Price €
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)						
MD.MD.S.xx.A.1.50.ES	2”	MD (**)	02919095S		-	
MD.MD.S.xx.A.1.65.ES	DN65	MD (**)	02919105S		02919145S	
MD.MD.S.xx.A.1.80.ES	DN80	MD (**)	02919115S		02919155S	
MD.MD.S.xx.A.1.100.ES	DN100	MD (**)	02919125S		02919165S	

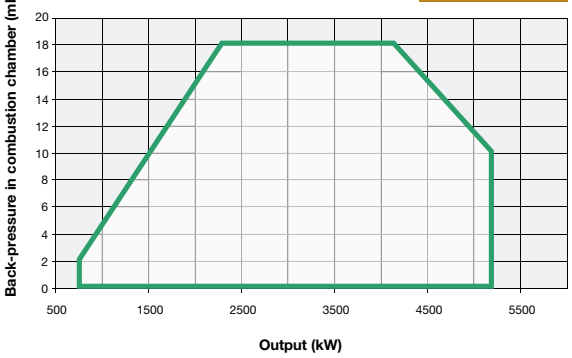
(**) The burners are already MD version.
In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).
In compliance with:
- GAR Directive 2016/426/EU - Low Tension Directive 2014/35/UE - Electromagnetic Compatibility Directive 2014/30/UE - Machinery Directive 2006/42/CE

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

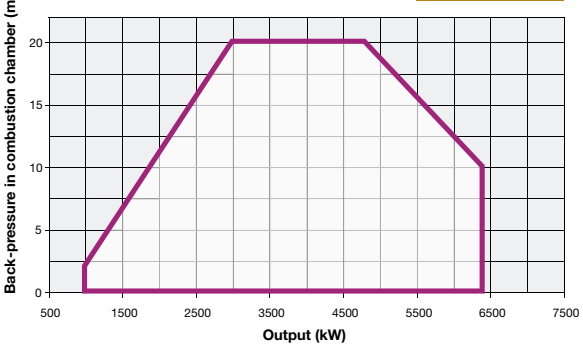
KR512 PR-MD



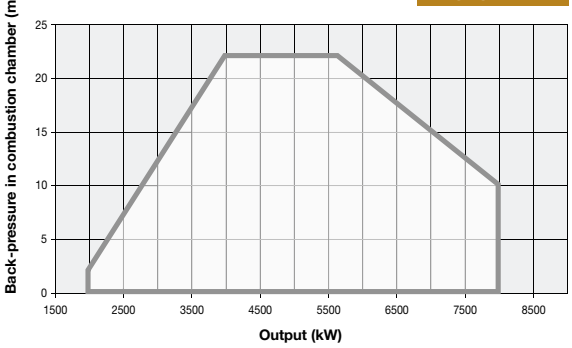
KR515 PR-MD



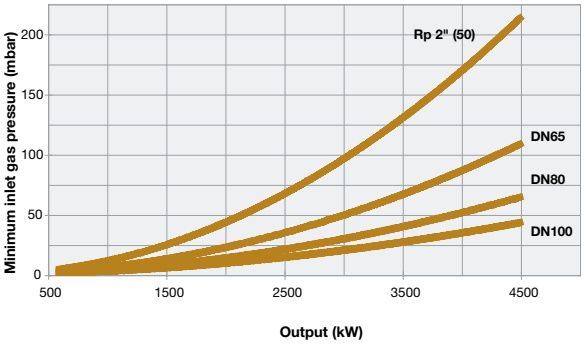
KR520 PR-MD



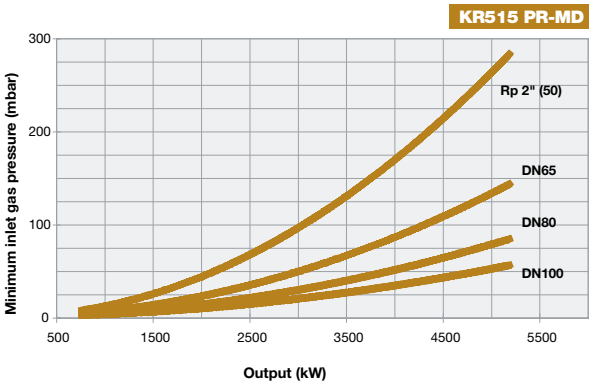
KR525 PR-MD



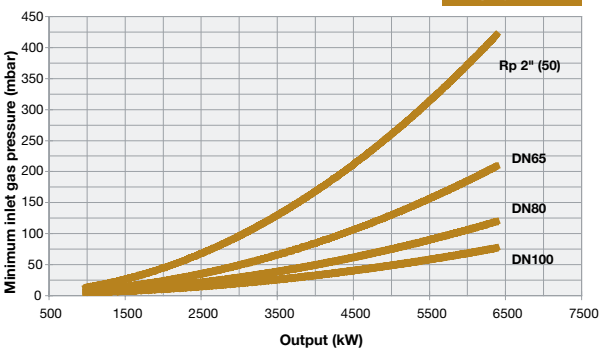
KR512 PR-MD



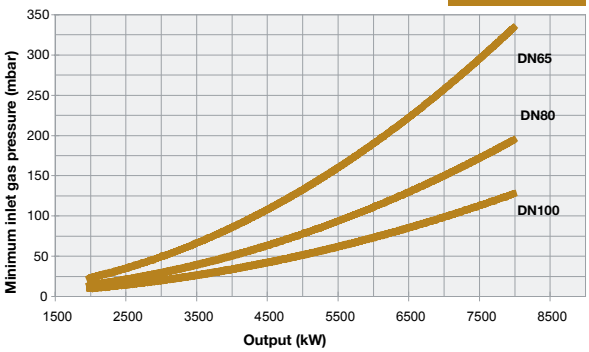
KR515 PR-MD



KR520 PR-MD



KR525 PR-MD



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.

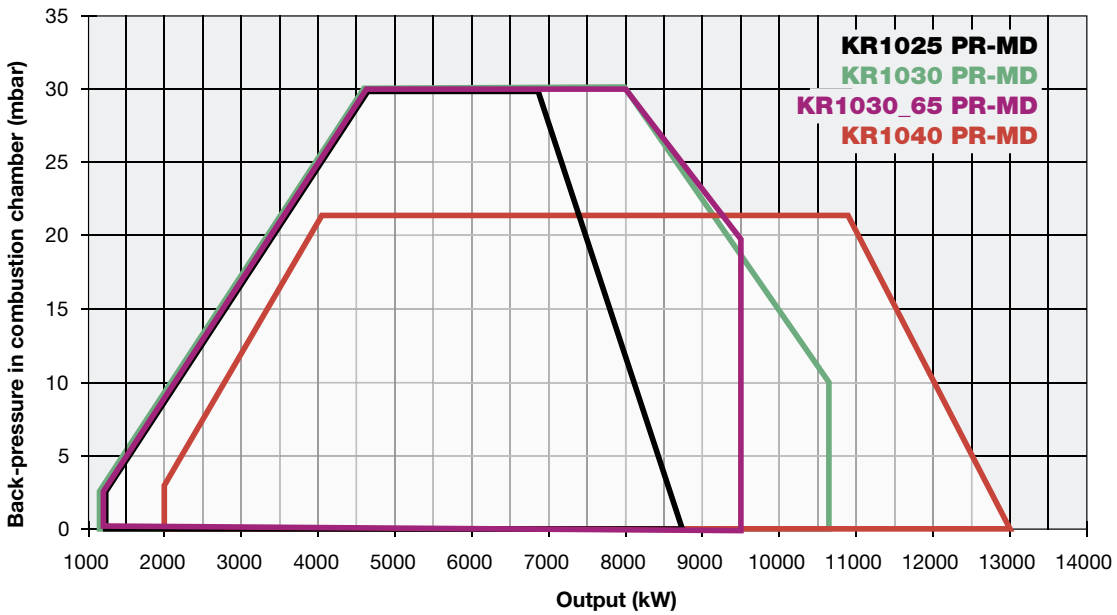
KR1025 KR1030 KR1040 mille SERIES

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

These models of burners represent the most powerful aluminium version of the KR series. Thanks to their independent electric motor for the activation of the oil pump, they can burn gas and heavy oil separately. In fact, during gas firing, the oil pump motor does not operate and remains off.
These burners are, therefore, provided with an UV photocell to control the flame during the operation.
They are, therefore, 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).

Electronic set up (optional)

Oil pump set (pump, motor, oil tank and filter) is included, (not assembled on the burner).



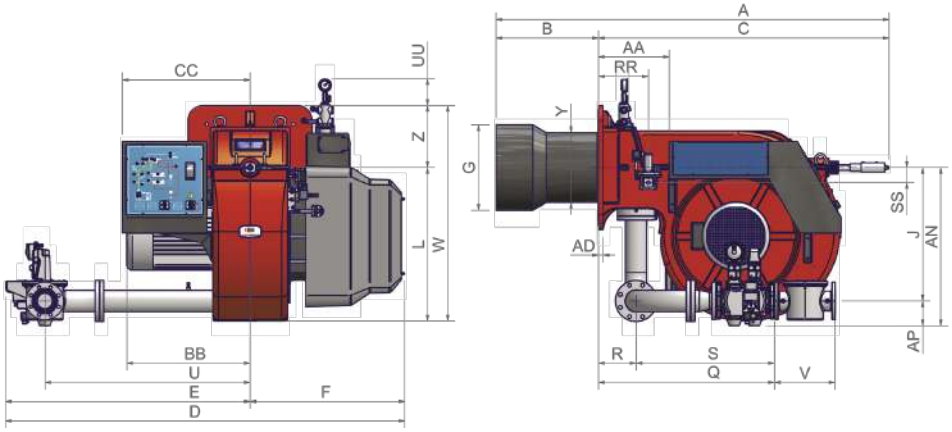
mille SERIES KR1025 KR1030 KR1040

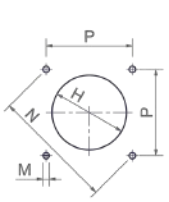
MECHANICAL ATOMIZATION
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

TECHNICAL DETAILS

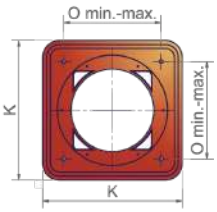
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Resistor	Gas connections	Noise level
		min.	max.			kW	kW	kW		dBA
KR1025	MN.xx.S.xx.A.1.xxx	1.200	8.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	4,0	24 + 24	DN65 - DN80 - DN100	82,2
KR1030	MN.xx.S.xx.A.1.65	1.200	9.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	5,5	24 + 24	DN65	85,6
KR1030	MN.xx.S.xx.A.1.xxx	1.200	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	5,5	24 + 24	DN80 - DN100	85,6
KR1040	MN.xx.x.xx.A.1.xxx	2.000	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	5,5	24 + 24	DN80 - DN100 - DN125	85,6

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





Suggested boiler drilling



Burner flange

The oil pump set (pump, motor, oil tank and filter) is included, but supplied loose (not assembled on the burner).

Type	Packaging dimensions (mm)			
	l	p	h	kg
KR1025/KR1030	2.270	1.720	1.320	760
KR1030/KR1040	2270	1.720	1.320	780
Gruppo di spinta*	1.170	770	1.610	-

Approximate values

* Supplied underframe

Type	Model	Overall dimensions (mm)																														
		A	AA	AD	AN	AP	B	BB	C	CC	D	E	F	G	H	J	K	L	M	N	O	P	Q	R	RR	S	SS	U	UU	V	W	Y	Z
KR1025	MN.xx.S.xx.A.1.65	2088	377	25	827	118	544	641	1544	680	2121	1299	822	400	450	709	660	816	M16	651	460	460	914	200	265	714	80	1092	142	292	1146	379	330
KR1025	MN.xx.S.xx.A.1.80	2088	377	25	841	132	544	641	1544	680	2123	1301	822	400	450	709	660	816	M16	651	460	460	936	200	265	736	80	1092	142	322	1146	379	330
KR1025	MN.xx.S.xx.A.1.100	2088	377	25	854	145	544	641	1544	680	2139	1317	822	400	450	709	660	816	M16	651	460	460	842	200	265	642	80	1092	142	382	1146	379	330
KR1030	MN.xx.S.xx.A.1.65	2088	377	25	827	118	544	657	1544	680	2121	1299	822	454	504	709	660	816	M16	651	460	460	914	200	265	714	80	1092	142	292	1146	372	330
KR1030	MN.xx.S.xx.A.1.80	2088	377	25	841	132	544	657	1544	680	2123	1301	822	454	504	709	660	816	M16	651	460	460	936	200	265	736	80	1092	142	322	1146	372	330
KR1030	MN.xx.S.xx.A.1.100	2088	377	25	854	145	544	657	1544	680	2139	1317	822	454	504	709	660	816	M16	651	460	460	842	200	265	642	80	1092	142	382	1146	372	330
KR1040	MN.xx.S.xx.A.1.80	2106	377	25	841	132	544	657	1562	680	2123	1301	822	514	564	709	660	816	M16	651	460	460	936	200	265	736	80	1092	142	322	1146	408	330
KR1040	MN.xx.S.xx.A.1.100	2106	377	25	854	145	544	657	1562	680	2139	1317	822	514	564	709	660	816	M16	651	460	460	842	200	265	642	80	1092	142	382	1146	408	330
KR1040	MN.xx.S.xx.A.1.125	2106	377	25	884	175	544	657	1562	680	2254	1432	822	514	564	709	660	816	M16	651	460	460	954	200	265	754	80	1192	142	480	1146	408	330

Approximate values

KR1025 KR1030 KR1040 mille SERIES

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

MECHANICAL OPERATION

Model	Gas train	Operation	KR1025 Code	KR1025 Price €	KR1030 Code	KR1030 Price €	KR1040 Code	KR1040 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MN.PR.S.xx.A.1.65	DN65	PR (*)	023081653		023081953		-	
MN.PR.S.xx.A.1.80	DN80	PR (*)	023081753		023082053		023082253	
MN.PR.S.xx.A.1.100	DN100	PR (*)	023081853		023082153		023082353	
MN.PR.S.xx.A.1.125	DN125	PR (*)	-		-		023082453	
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)								
MD.PR.S.xx.A.1.65	DN65	PR (*)	023191653		023191953		-	
MD.PR.S.xx.A.1.80	DN80	PR (*)	023191753		023192053		023192253	
MD.PR.S.xx.A.1.100	DN100	PR (*)	023191853		023192153		023192353	
MD.PR.S.xx.A.1.125	DN125	PR (*)	-		-		023192453	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

mille SERIES KR1025 KR1030 KR1040

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

ELECTRONIC OPERATION

Model	Gas train	Operation	KR1025 Code	KR1025 Price €	KR1030 Code	KR1030 Price €	KR1040 Code	KR1040 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MN.PR.S.xx.A.1.65.EC	DN65	PR (*)	02308165		02308195		-	
MN.PR.S.xx.A.1.80.EC	DN80	PR (*)	02308175		02308205		02308225	
MN.PR.S.xx.A.1.100.EC	DN100	PR (*)	02308185		02308215		02308235	
MN.PR.S.xx.A.1.125.EC	DN125	PR (*)	-		-		02308245	
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)								
MD.PR.S.xx.A.1.65.EC	DN65	PR (*)	02319165		02319195		-	
MD.PR.S.xx.A.1.80.EC	DN80	PR (*)	02319175		02319205		02319225	
MD.PR.S.xx.A.1.100.EC	DN100	PR (*)	02319185		02319215		02319235	
MD.PR.S.xx.A.1.125.EC	DN125	PR (*)	-		-		02319245	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

ELECTRONIC OPERATION

Model	Gas train	Operation	KR1025 Code	KR1025 Price €	KR1030 Code	KR1030 Price €	KR1040 Code	KR1040 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MN.MD.S.xx.A.1.65.ES	DN65	MD (**)	02308165S		02308195S		-	
MN.MD.S.xx.A.1.80.ES	DN80	MD (**)	02308175S		02308205S		02308225S	
MN.MD.S.xx.A.1.100.ES	DN100	MD (**)	02308185S		02308215S		02308235S	
MN.MD.S.xx.A.1.125.ES	DN125	MD (**)	-		-		02308245S	
HEAVY OIL 400 cSt at 50°C (50°E at 50°C)								
MD.MD.S.xx.A.1.65.ES	DN65	MD (**)	02319165S		02319195S		-	
MD.MD.S.xx.A.1.80.ES	DN80	MD (**)	02319175S		02319205S		02319225S	
MD.MD.S.xx.A.1.100.ES	DN100	MD (**)	02319185S		02319215S		02319235S	
MD.MD.S.xx.A.1.125.ES	DN125	MD (**)	-		-		02319245S	

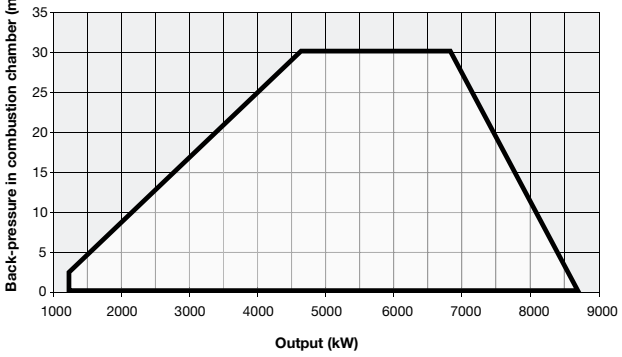
(**) The burners are already MD version.
In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

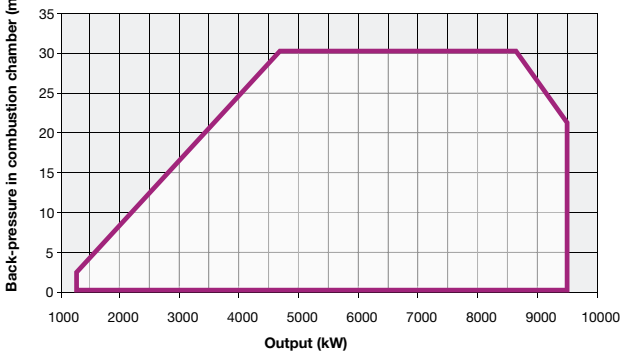
KR1025 KR1030 KR1040 mille SERIES

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

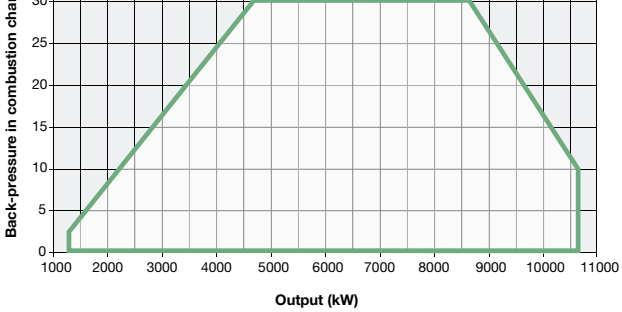
KR1025 PR-MD



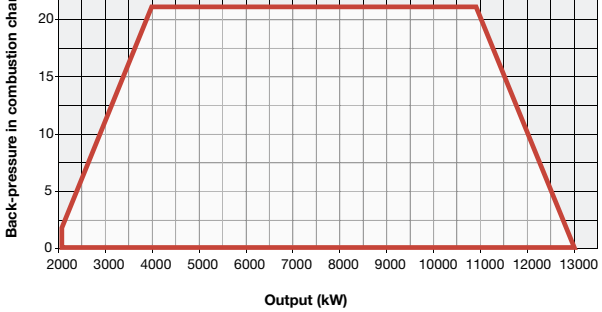
KR1030 PR-MD..1.65



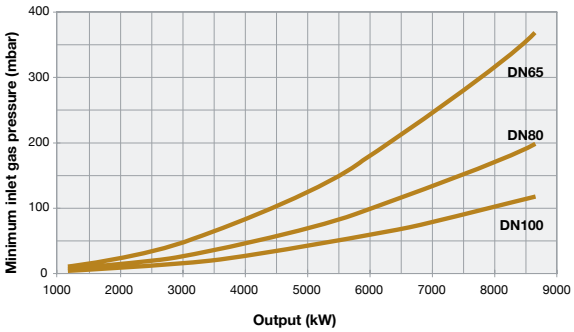
KR1030 PR-MD..



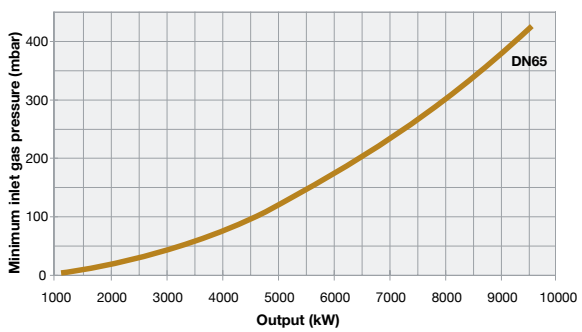
KR1040 PR-MD



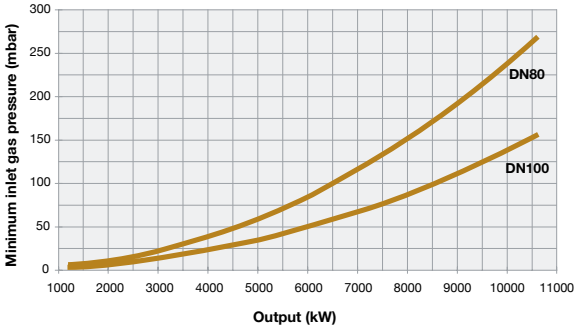
KR1025 PR-MD



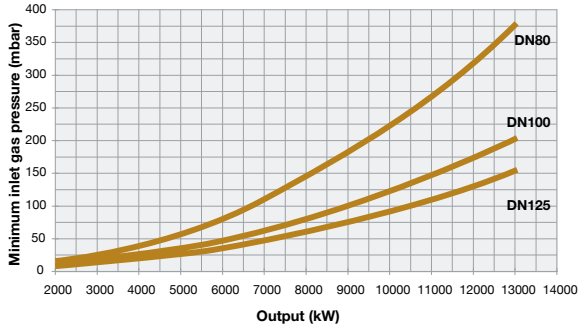
KR1030 PR-MD..1.65



KR1030 PR-MD..



KR1040 PR-MD



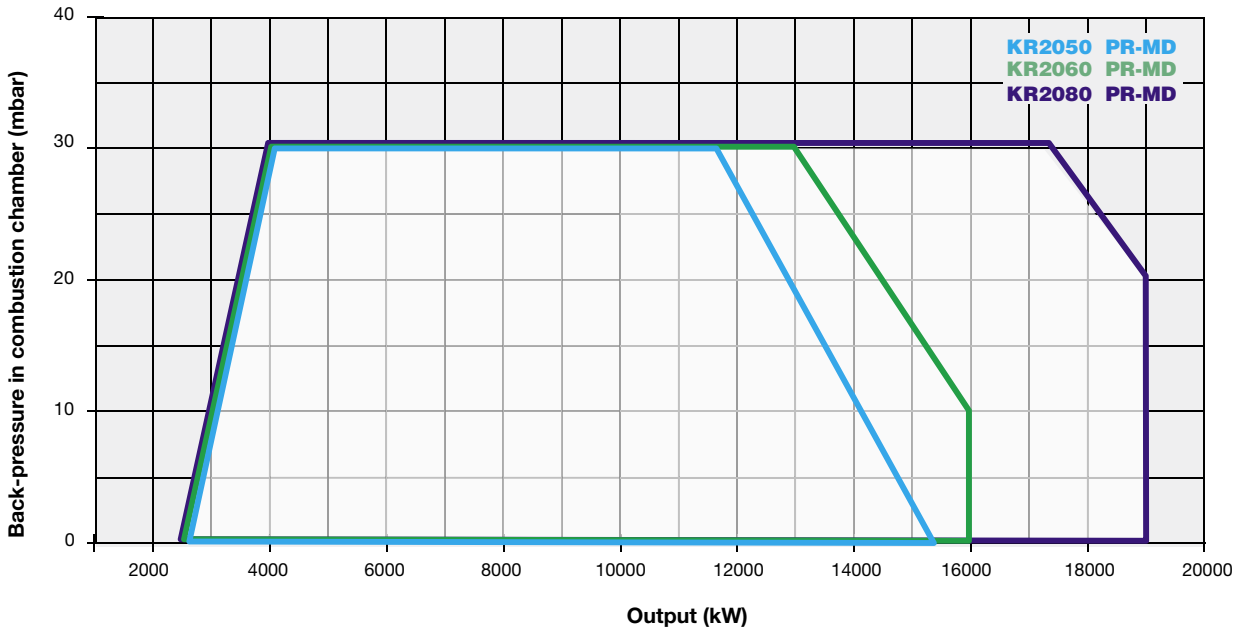
Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.

duemila SERIES KR2050 KR2060 KR2080

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

These models of burners represent the most powerful aluminium version of the KR series. Thanks to their independent electric motor for the activation of the oil pump, they can burn gas and heavy oil separately. In fact, during gas firing, the oil pump motor does not operate and remains off.
These burners are, therefore, provided with an UV photocell to control the flame during the operation.
They are, therefore, 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 400 cSt at 50°C (50 E° at 50°C).

Oil pump set (pump, motor, oil tank and filter) is included, (not assembled on the burner)



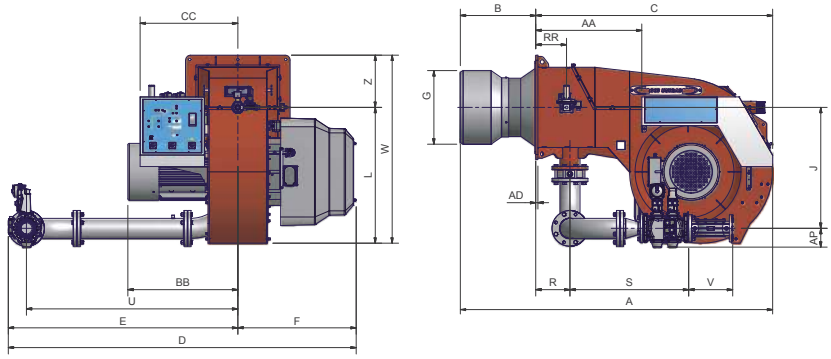
KR2050 KR2060 KR2080 duemila SERIES

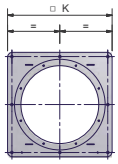
MECHANICAL ATOMIZATION
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

TECHNICAL DETAILS

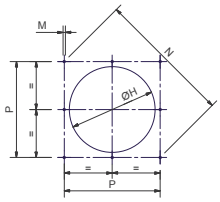
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Resistor	Gas connections	Noise level
		min.	max.			kW	kW	kW		dBA
KR2050	MN.xx.S.xx.A.1.xxx.xx	2.500	15.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	37	5,5	24 + 24	DN80 - DN100 - DN125	92,5
KR2060	MN.xx.S.xx.A.1.xxx.xx	2.500	16.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	45	5,5	24 + 24	DN80 - DN100 - DN125	91,7
KR2080	MN.xx.S.xx.A.1.xxx.xx	2.500	19.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	55	5,5	24 + 24	DN100 - DN125	91,7

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



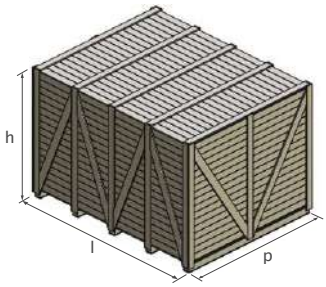


Burner flange



Suggested boiler drilling

The oil pump set (pump, motor, oil tank and filter) is included, but supplied loose (not assembled on the burner).



Type	Packaging dimensions (mm)			
	l	p	h	kg
KR2050	2.396	1.886	1.969	1.430
KR2060	2.396	1.886	1.969	1.510
KR2080	2.396	1.886	1.969	1.610

Approximate values

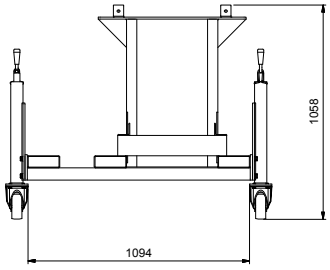
Type	Model	Overall dimensions (mm)																											
		AA	AC	AD	AE	AP	B	BB	C	CC	D	E	F	G	H	J	K	L	M	N	P	R	RR	S	U	V	W	Z
KR2050	Mx.xx.S.xx.A.1.80.xx	741	866	15	595	132	*	768	1898	735	2431	1604	827	*	*	845	730	949	M16	948	670	239	215	827	1477	310	1314	365
KR2050	Mx.xx.S.xx.A.1.100.xx	741	866	15	595	145	*	768	1898	735	2447	1620	827	*	*	845	730	949	M16	948	670	239	215	874	1477	350	1314	365
KR2050	Mx.xx.S.xx.A.1.125.xx	741	866	15	595	175	*	768	1898	735	2465	1638	827	*	*	845	730	949	M16	948	670	239	215	755	1477	480	1314	365
KR2060	Mx.xx.S.xx.A.1.80.xx	741	866	15	645	132	*	807	1890	735	2309	1463	846	*	*	775	850	949	M16	1117	790	239	215	827	1336	310	1374	425
KR2060	Mx.xx.S.xx.A.1.100.xx	741	866	15	645	145	*	807	1890	735	2325	1479	846	*	*	775	850	949	M16	1117	790	239	215	874	1336	350	1374	425
KR2060	Mx.xx.S.xx.A.1.125.xx	741	866	15	645	175	*	807	1890	735	2343	1497	846	*	*	775	850	949	M16	1117	790	239	215	755	1336	480	1374	425
KR2080	Mx.xx.S.xx.A.1.100.xx	741	866	15	645	145	*	885	1890	735	2325	1479	846	*	*	775	850	949	M16	1117	790	239	215	874	1336	350	1374	425
KR2080	Mx.xx.S.xx.A.1.125.xx	741	866	15	645	175	*	885	1890	735	2343	1497	846	*	*	775	850	949	M16	1117	790	239	215	755	1336	480	1374	425

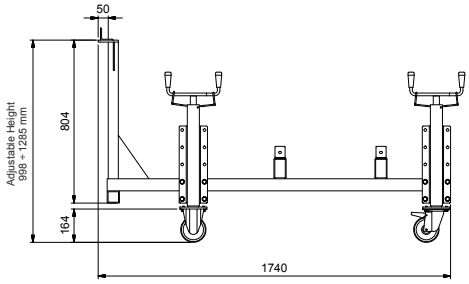
* The B, G, H dimensions must be confirmed from our technical DPT.
Approximate values

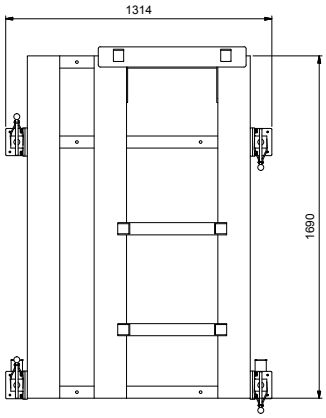
MECHANICAL ATOMIZATION
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

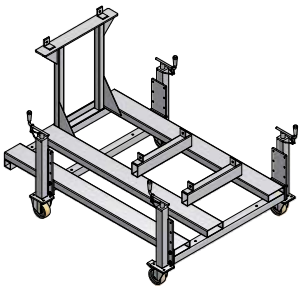
Monoblock burners 2000 series are supplied complete with a steel supporting frame; burner installation and manutention are greatly simplified.
The frame is equipped with wheels to easily move the burner, and its height is adjustable to match any type of boiler or furnace.

SUPPORTING FRAME FOR BURNERS 2050 SERIES

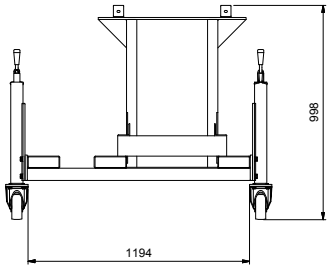


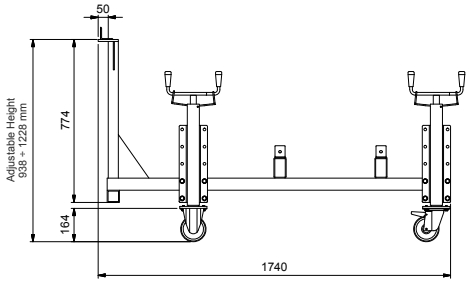


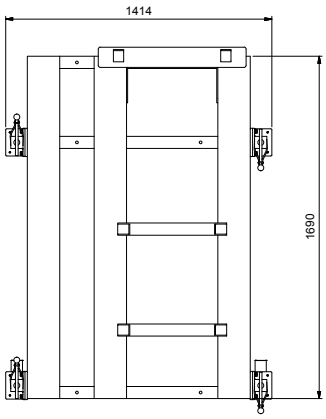


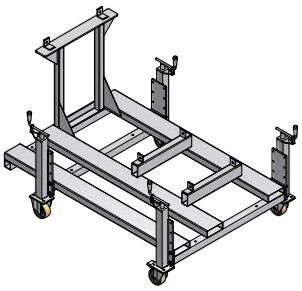


SUPPORTING FRAME FOR BURNERS 2060/2080 SERIES









ELECTRONIC OPERATION

Model	Gas train	Operation	KR2050 Code	KR2050 Price €	KR2060 Code	KR2060 Price €	KR2080 Code	KR2080 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MD-.PR.S.xx.A.1.80.EC	DN80	PR (*)	03219015C		-		-	
MD-.PR.S.xx.A.1.100.EC	DN100	PR (*)	03219025C		-		-	
MD-.PR.S.xx.A.1.125.EC	DN125	PR (*)	03219035C		-		-	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

Conformi a:
- DIRETTIVA GAR 2016/426/EU
- DIRETTIVA Bassa Tensione 2014/35/UE
- DIRETTIVA Compatibilità Elettromagnetica 2014/30/UE
- DIRETTIVA Macchine 2006/42/CE

ELECTRONIC OPERATION

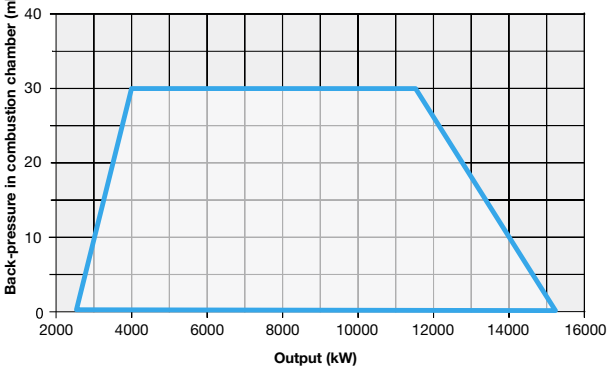
Model	Gas train	Operation	KR2050 Code	KR2050 Price €	KR2060 Code	KR2060 Price €	KR2080 Code	KR2080 Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MD-.MD.S.xx.A.1.80.ES	DN80	MD (**)	03219015S		03219045S		-	
MD-.MD.S.xx.A.1.100.ES	DN100	MD (**)	03219025S		03219055S		03219085S	
MD-.MD.S.xx.A.1.125.ES	DN125	MD (**)	03219035S		03219065S		03219095S	

(**) The burners are already MD version.
In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

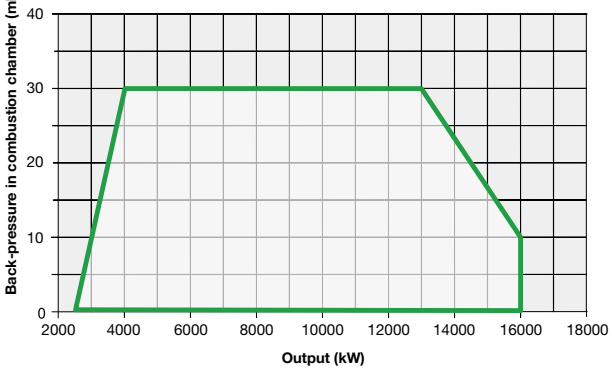
In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

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

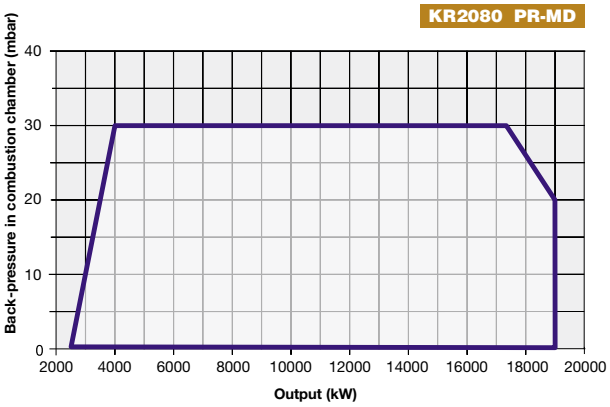
KR2050 PR-MD



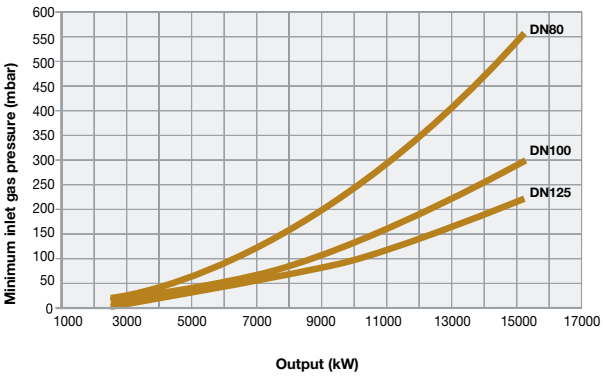
KR2060 PR-MD



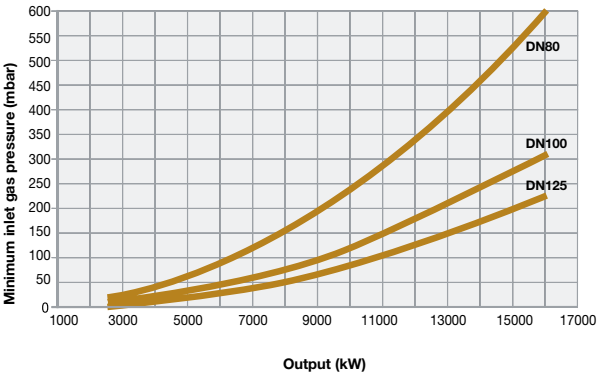
KR2080 PR-MD



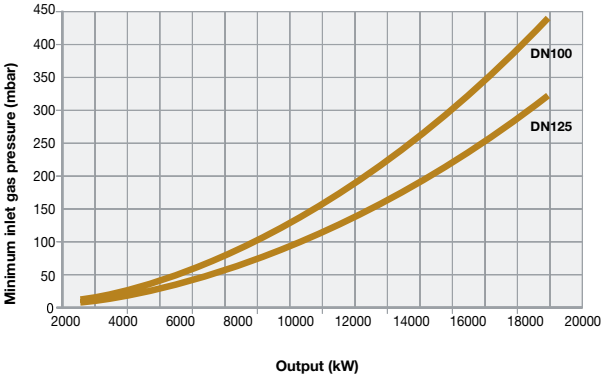
KR2050 PR-MD



KR2060 PR-MD



KR2080 PR-MD

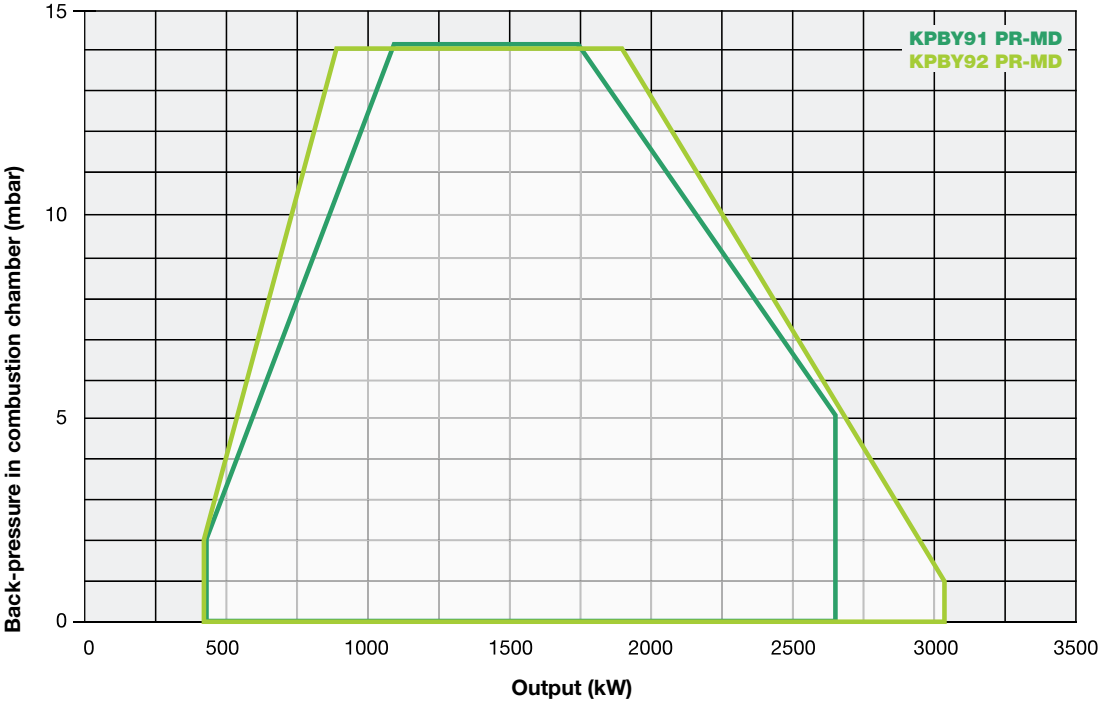


Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.

KPBY91 KPBY92 novanta SERIES

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

This particular GAS/HEAVY OIL burners series has been developed in order to use compressed air or, alternatively, steam as a fluid to atomize the fuel, with the aim to achieve a better combustion result compared to the one gained using the traditional atomizing systems.
These burners are provided with a low pressure nozzle which allows consumption levels to be kept low and which also limits the general wear of the whole atomization system.
All burners are progressive and are completed with an electrical control cabinet and with a pump oil to be installed by the final user. Furthermore, the nozzle performs an automatic cleaning process at the end of each cycle.
The plant must be provided with compressed air or steam at 6-10 bar.
Burners are ignited through a pilot which can work either with natural gas or LPG and are suitable to be used with fuels with a viscosity up to 4.000 cSt at 50°C (530°E at 50°).
The standard version of burners is set up to atomize with compressed air only; when steam is requested for the atomization, the burner will be modified though a specific kit.
However, compressed air must be always present at the burner in the following cases:
- cold start ups when no steam is available
- valve opening for automatic nozzle cleaning.



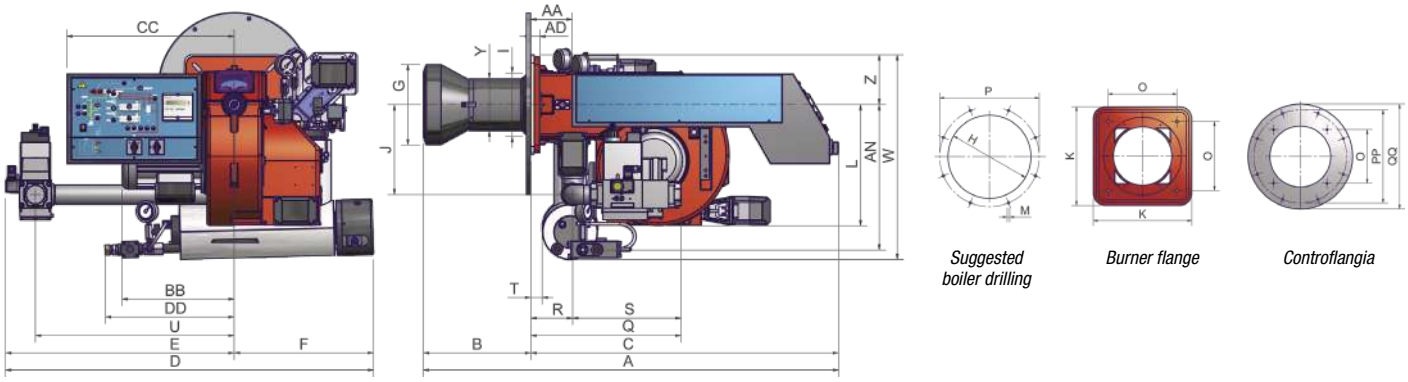
novanta SERIES KPBY91 KPBY92

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°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
		min.	max.			kW	kW	kW	Rp
KPBY91	MH.xx.S.xx.A.1.xxx.xx	480	2.670	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	4,0	0,75	8,0	2" - DN65 - DN80 - DN100
KPBY92	MH.xx.S.xx.A.1.xxx.xx	480	3.050	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	5,5	0,75	12,0	2" - DN65 - DN80 - DN100

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



Suggested boiler drilling *Burner flange* *Controflangia*

Low pressure pump set (pump, motor and filter) is included, but supplied loose (not assembled on the burner).

Type	Model	Overall dimensions (mm)																														
		DN	A	AA	AN	B*	BB	C	CC	D	DD	E	F	G	H	J	K	L	M	O		P	R	S	U	V	W	Z	T	Y	PP	QQ
																				min.	max											
KPBY91	MH.xx.x.xx.1.50	50	1475	240	600	490	419	985	532	1372	510	852	520	365	405	456	360	550	M12	280	310	500	166	374	624	-	798	185	43	228	500	550
KPBY91	MH.xx.x.xx.1.65	65	1475	240	600	490	419	985	532	1569	510	1049	520	365	405	456	360	550	M12	280	310	500	166	483	843	292	798	185	43	228	500	550
KPBY91	MH.xx.x.xx.1.80	80	1475	240	600	490	419	985	532	1604	510	1084	520	365	405	456	360	550	M12	280	310	500	166	535	875	322	798	185	43	228	500	550
KPBY91	MH.xx.x.xx.1.100	100	1475	240	600	490	419	985	532	1687	510	1167	520	365	405	456	360	550	M12	280	310	500	166	642	942	382	798	185	43	228	500	550
KPBY92	MH.xx.x.xx.1.50	50	1475	240	600	490	419	985	532	1372	510	852	520	365	405	456	360	550	M12	280	310	500	166	374	624	-	798	185	43	228	500	550
KPBY92	MH.xx.x.xx.1.65	65	1475	240	600	490	419	985	532	1569	510	1049	520	365	405	456	360	550	M12	280	310	500	166	483	843	292	798	185	43	228	500	550
KPBY92	MH.xx.x.xx.1.80	80	1475	240	600	490	419	985	532	1604	510	1084	520	365	405	456	360	550	M12	280	310	500	166	535	875	322	798	185	43	228	500	550
KPBY92	MH.xx.x.xx.1.100	100	1475	240	600	490	419	985	532	1687	510	1167	520	365	405	456	360	550	M12	280	310	500	166	642	942	382	798	185	43	228	500	550

Approximate values
* The dimension B is reduced by 20 mm with counterflange and gasket.

KPBY91 KPBY92 novanta SERIES

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

ELECTRONIC OPERATION

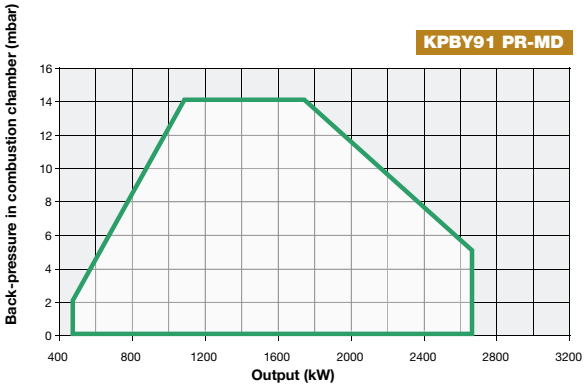
			KPBY91		KPBY92	
Model	Gas train	Operation	Code	Price €	Code	Price €
HEAVY OIL 4000 cSt at 50°C (530°E at 50°C)						
MH.PR.S.xx.A.1.50.EC	2”	PR (*)	01219275C		01219315C	
MH.PR.S.xx.A.1.65.EC	DN65	PR (*)	01219285C		01219325C	
MH.PR.S.xx.A.1.80.EC	DN80	PR (*)	01219295C		01219335C	
MH.PR.S.xx.A.1.100.EC	DN100	PR (*)	01219305C		01219345C	

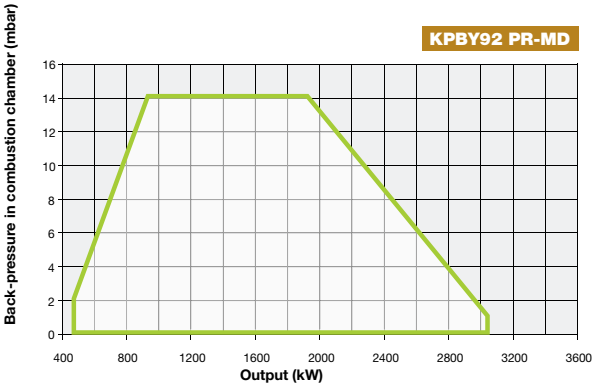
(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

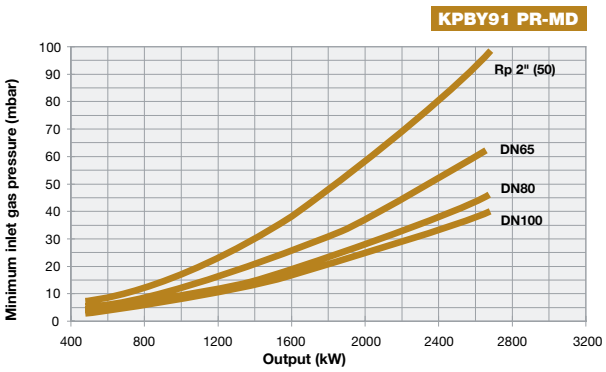
In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

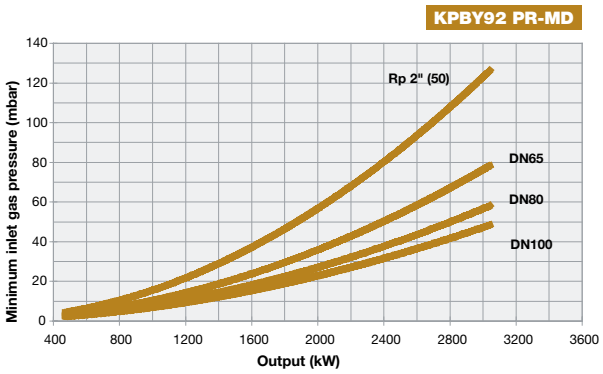
novanta SERIES KPBY91 KPBY92

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)









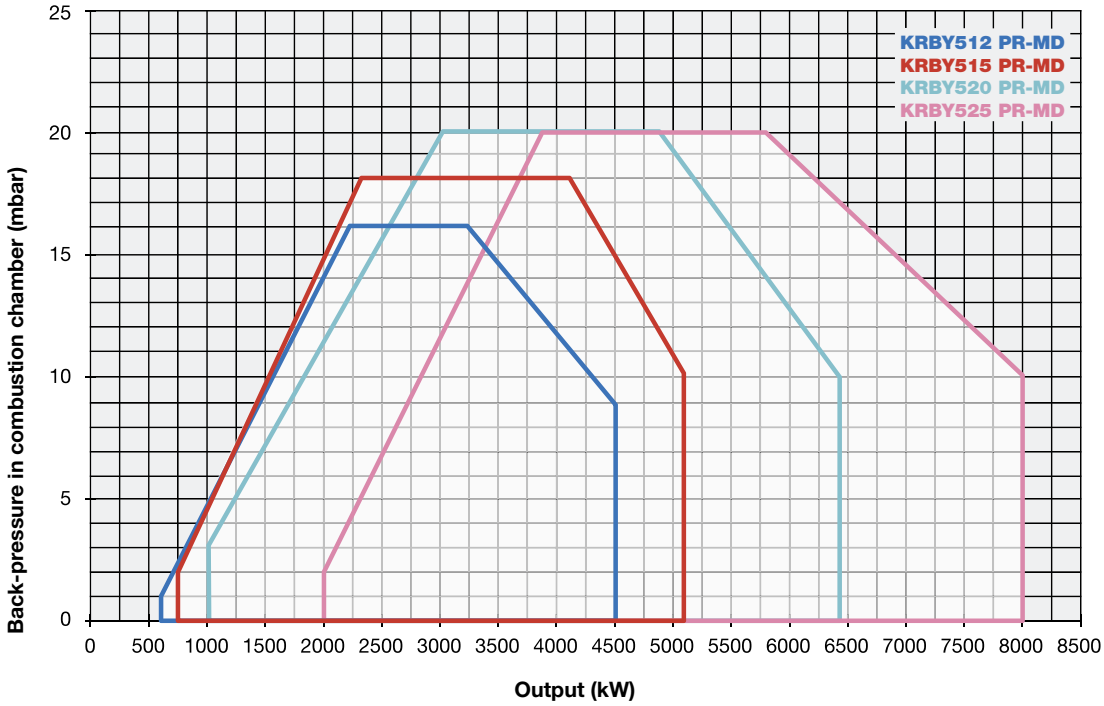
Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.

cinquecento SERIES

KRBY512 KRBY515 KRBY520 KRBY525

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

This particular GAS/HEAVY OIL burners series has been developed in order to use compressed air or, alternatively, steam as a fluid to atomize the fuel, with the aim to achieve a better combustion result compared to the one gained using the traditional atomizing systems.
These burners are provided with a low pressure nozzle which allows consumption levels to be kept low and which also limits the general wear of the whole atomization system.
All burners are progressive and are completed with an electrical control cabinet and with a pump oil to be installed by the final user. Furthermore, the nozzle performs an automatic cleaning process at the end of each cycle.
The plant must be provided with compressed air or steam at 6-10 bar.
Burners are ignited through a pilot which can work either with natural gas or LPG and are suitable to be used with fuels with a viscosity up to 4.000 cSt at 50°C (530°E at 50°).
The standard version of burners is set up to atomize with compressed air only; when steam is requested for the atomization, the burner will be modified though a specific kit.
However, compressed air must be always present at the burner in the following cases:
- cold start ups when no steam is available
- valve opening for automatic nozzle cleaning.



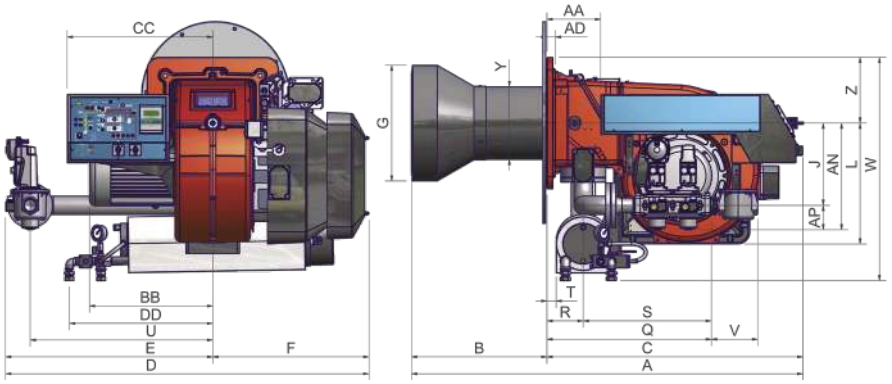
cinquecento SERIES
KRBY512 KRBY515 KRBY520 KRBY525

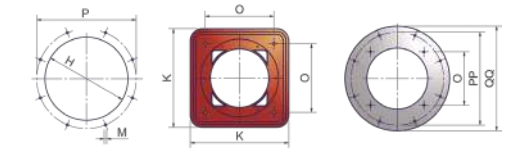
PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

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
KRBY512	MH.xx.S.xx.A.1.xxx.xx	600	4.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	9,2	0,75	18	2" - DN65 - DN80 - DN100	81,7
KRBY515	MH.xx.S.xx.A.1.xxx.xx	770	5.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	11,0	0,75	18	2" - DN65 - DN80 - DN100	82,3
KRBY520	MH.xx.S.xx.A.1.xxx.xx	1.000	6.400	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	15,0	0,75	24	2" - DN65 - DN80 - DN100	83,2
KRBY525	MH.xx.S.xx.A.1.xxx.xx	2.000	8.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	0,75	24	DN65 - DN80 - DN100	84,9

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





Suggested boiler drilling *Burner flange* *Controflangia*

Low pressure pump set (pump, motor and filter) is included, but supplied loose (not assembled on the burner).

Type	Model	Overall dimensions (mm)																													
		DN	A	AA	AN	AP	B*	BB	C	CC	D	E	F	G	H	J	K	L	M	O	P	Q	R	S	U	V	W	Z	Y	PP	QQ
KRBY512	MH.xx.x.xx.A.1.50	50	1660	523	594	100	593	508	1067	636	1512	870	642	500	550	494	540	560	M14	390	800	755	150	605	750	216	916	270	319	800	850
KRBY512	MH.xx.x.xx.A.1.65	65	1660	523	612	118	593	508	1067	636	1517	875	642	500	550	494	540	560	M14	390	800	633	150	485	750	292	916	270	319	800	850
KRBY512	MH.xx.x.xx.A.1.80	80	1660	523	626	132	593	508	1067	636	1624	986	642	500	550	494	540	560	M14	390	800	685	150	535	858	322	916	270	319	800	850
KRBY512	MH.xx.x.xx.A.1.100	100	1660	523	639	145	593	508	1067	636	1727	1085	642	500	550	494	540	560	M14	390	800	792	150	642	942	382	916	270	319	800	850
KRBY515	MH.xx.x.xx.A.1.50	50	1639	523	594	100	572	508	1067	636	1512	870	642	500	550	494	540	560	M14	390	800	755	150	605	750	216	916	270	319	800	850
KRBY515	MH.xx.x.xx.A.1.65	65	1639	523	612	118	572	508	1067	636	1517	875	642	500	550	494	540	560	M14	390	800	633	150	485	750	292	916	270	319	800	850
KRBY515	MH.xx.x.xx.A.1.80	80	1639	523	626	132	572	508	1067	636	1624	986	642	500	550	494	540	560	M14	390	800	685	150	535	858	322	916	270	319	800	850
KRBY515	MH.xx.x.xx.A.1.100	100	1639	523	639	145	572	508	1067	636	1727	1085	642	500	550	494	540	560	M14	390	800	792	150	642	942	382	916	270	319	800	850
KRBY520	MH.xx.x.xx.A.1.50	50	1650	523	594	100	583	508	1067	636	1512	870	642	527	577	494	540	560	M14	390	800	755	150	605	750	216	916	270	328	800	850
KRBY520	MH.xx.x.xx.A.1.65	65	1650	523	612	118	583	508	1067	636	1517	875	642	527	577	494	540	560	M14	390	800	633	150	485	750	292	916	270	328	800	850
KRBY520	MH.xx.x.xx.A.1.80	80	1650	523	626	132	583	508	1067	636	1624	986	642	527	577	494	540	560	M14	390	800	685	150	535	858	322	916	270	328	800	850
KRBY520	MH.xx.x.xx.A.1.100	100	1650	523	639	145	583	508	1067	636	1727	1085	642	527	577	494	540	560	M14	390	800	792	150	642	942	382	916	270	328	800	850
KRBY525	MH.xx.x.xx.A.1.65	65	1619	523	612	118	552	508	1067	636	1517	875	642	572	632	494	540	560	M14	390	800	633	150	485	750	292	916	270	328	800	850
KRBY525	MH.xx.x.xx.A.1.80	80	1619	523	626	132	552	508	1067	636	1624	986	642	572	632	494	540	560	M14	390	800	685	150	535	858	322	916	270	328	800	850
KRBY525	MH.xx.x.xx.A.1.100	100	1619	523	639	145	552	508	1067	636	1727	1085	642	572	632	494	540	560	M14	390	800	792	150	642	942	382	916	270	328	800	850

Approximate values
* The dimension B is reduced by 25 mm with counterflange and gasket.

KRBY512 KRBY515 KRBY520 KRBY525

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

ELECTRONIC OPERATION

			KRBY512		KRBY515	
Model	Gas train	Operation	Code	Price €	Code	Price €
HEAVY OIL 4000 cSt at 50°C (530°E at 50°C)						
MH.PR.S.xx.A.1.50.EC	2”	PR (*)	02919585C		02919625C	
MH.PR.S.xx.A.1.65.EC	DN65	PR (*)	02919595C		02919635C	
MH.PR.S.xx.A.1.80.EC	DN80	PR (*)	02919605C		02919645C	
MH.PR.S.xx.A.1.100.EC	DN100	PR (*)	02919615C		02919655C	

			KRBY520		KRBY525	
Model	Gas train	Operation	Code	Price €	Code	Price €
HEAVY OIL 4000 cSt at 50°C (530°E at 50°C)						
MH.PR.S.xx.A.1.50.EC	2”	PR (*)	02919665C		-	
MH.PR.S.xx.A.1.65.EC	DN65	PR (*)	02919675C		02919705C	
MH.PR.S.xx.A.1.80.EC	DN80	PR (*)	02919685C		02919715C	
MH.PR.S.xx.A.1.100.EC	DN100	PR (*)	02919695C		02919725C	

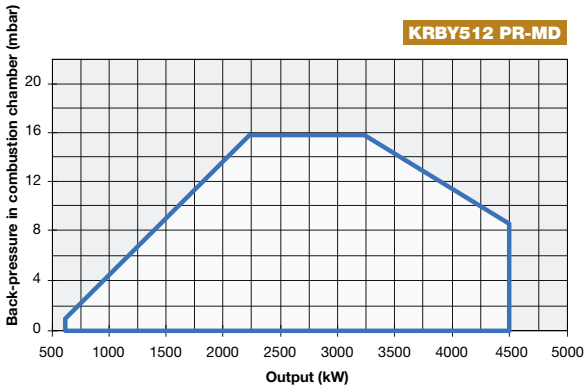
(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

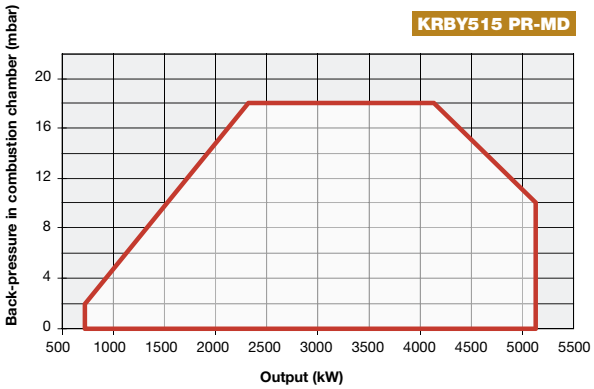
In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

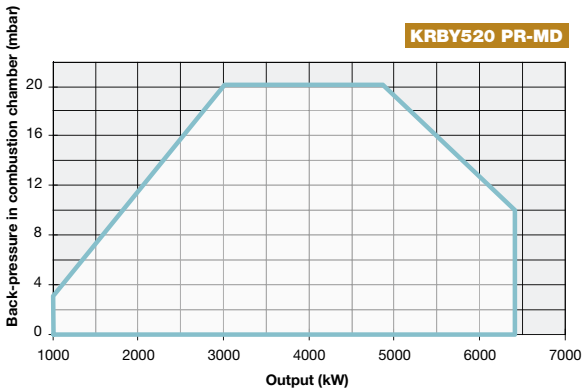
cinquecento SERIES
KRBY512 KRBY515 KRBY520 KRBY525

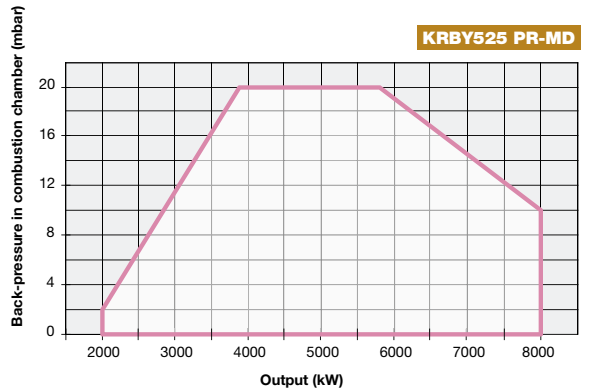
GAS/HEAVY OIL

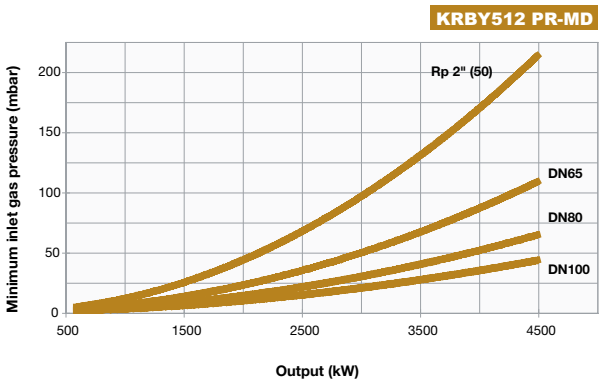
PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

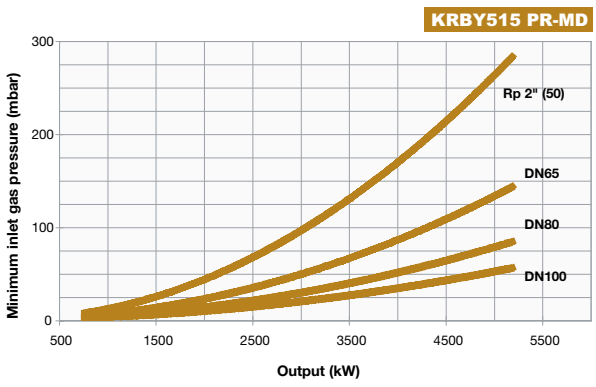


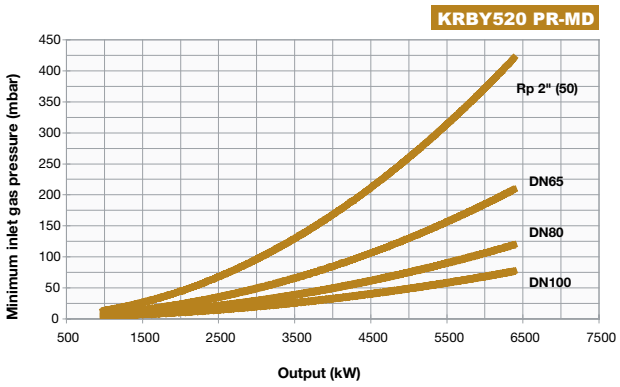


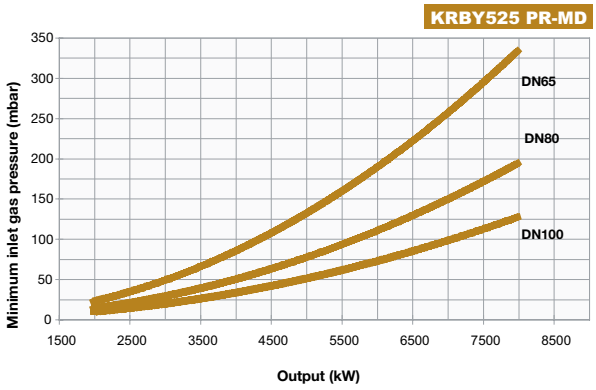












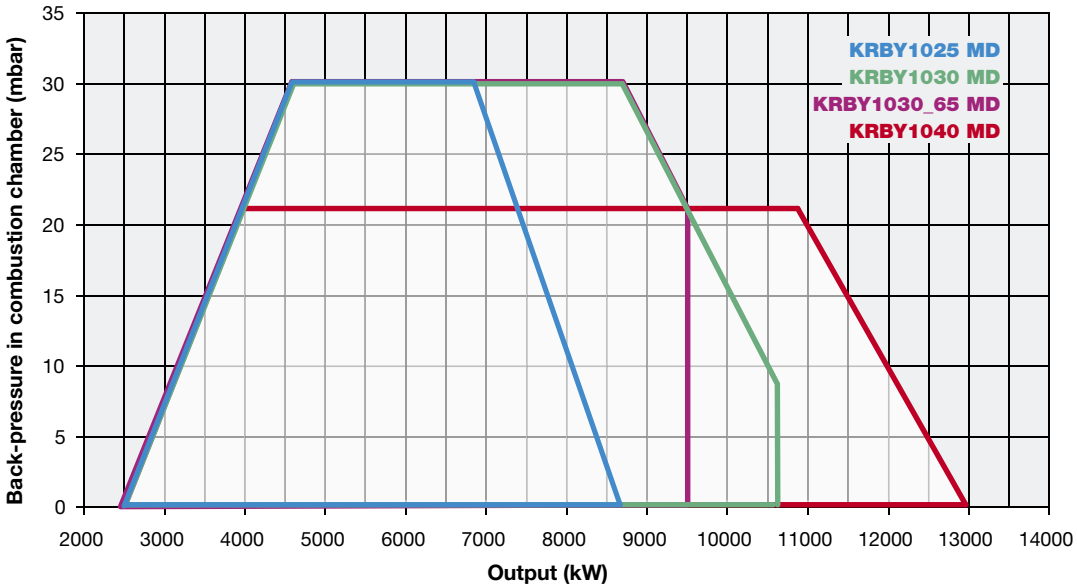
Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.

KRBY1025 KRBY1030 KRBY1040 mille SERIES

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

This particular GAS/HEAVY OIL burners series has been developed in order to use compressed air or, alternatively, steam as a fluid to atomize the fuel, with the aim to achieve a better combustion result compared to the one gained using the traditional atomizing systems.
These burners are provided with a low pressure nozzle which allows consumption levels to be kept low and which also limits the general wear of the whole atomization system.
All burners are progressive and are completed with an electrical control cabinet and with a pump oil to be installed by the final user. Furthermore, the nozzle performs an automatic cleaning process at the end of each cycle.
The plant must be provided with compressed air or steam at 6-10 bar. Burners are ignited through a pilot which can work either with natural gas or LPG and are suitable to be used with fuels with a viscosity up to 4.000 cSt at 50°C (530°E at 50°).
The standard version of burners is set up to atomize with compressed air only; when steam is requested for the atomization, the burner will be modified though a specific kit.
However, compressed air must be always present at the burner in the following cases:
- cold start ups when no steam is available.
- valve opening for automatic nozzle cleaning.

Oil pump set (pump, motor, oil tank and filter) is included, but supplied loose (not assembled on the burner).



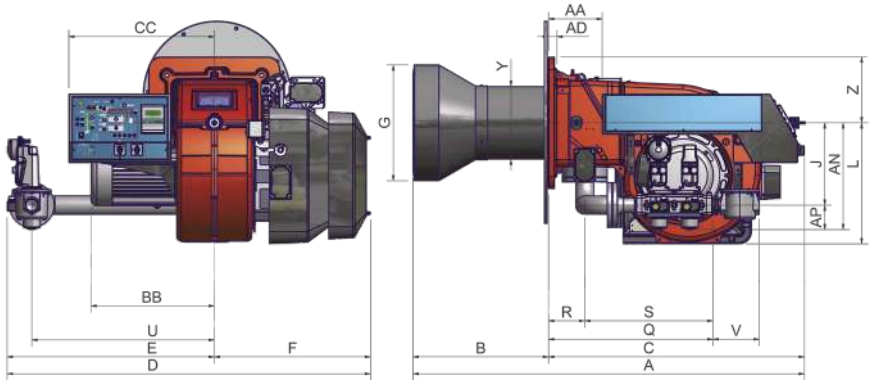
mille SERIES KRBY1025 KRBY1030 KRBY1040

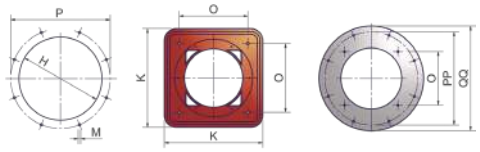
PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

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		dBA
KRBY1025	MH.xx.S.xx.A.1.xxx.xx	2.550	8.700	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	0,75	24	DN65 - DN80 - DN100	82,2
KRBY1030	MH.H.xx.S.xx.1.65.xx	2.550	9.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	1,10	18+18	DN65	85,6
KRBY1030	MH.xx.S.xx.A.1.xxx.xx	2.550	10.600	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	22,0	1,10	18+18	DN80 - DN100	85,6
KRBY1040	MH.xx.S.xx.A.1.xxx.xx	2.550	13.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	30,0	1,10	24+24	DN80 - DN100 - DN125	85,6

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





Suggested boiler drilling *Burner flange* *Controflangia*

Low pressure 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	AN	AP	B*	BB	C	CC	D	E	F	G	J	H	K	L	M	O	P	Q	R	S	U	V	Z	Y	PP	QQ
KRBY1025	MH.xx.x.xx.1.65	2095	377	816	118	551	641	1544	680	2121	1299	822	572	494	632	660	816	M16	460	800	914	200	714	1092	292	270	379	800	900
KRBY1025	MH.xx.x.xx.1.80	2095	377	816	132	551	641	1544	680	2123	1301	822	572	494	632	660	816	M16	460	800	936	200	736	1092	322	270	379	800	900
KRBY1025	MH.xx.x.xx.1.100	2095	377	816	145	551	641	1544	680	2139	1317	822	572	494	632	660	816	M16	460	800	942	200	642	1092	382	270	379	800	900
KRBY1030	MH.xx.x.xx.1.65	2124	377	816	118	580	657	1544	680	2121	1299	822	600	494	660	660	816	M16	460	800	914	200	714	1092	292	270	384	800	900
KRBY1030	MH.xx.x.xx.1.80	2124	377	816	132	580	657	1544	680	2123	1301	822	600	494	660	660	816	M16	460	800	936	200	736	1092	322	270	384	800	900
KRBY1030	MH.xx.x.xx.1.100	2124	377	816	145	580	657	1544	680	2139	1317	822	600	494	600	660	816	M16	460	800	942	200	642	1092	382	270	384	800	900
KRBY1040	MH.xx.x.xx.1.80	2133	377	816	118	571	657	1562	680	2123	1301	822	671	494	731	660	816	M16	460	800	914	200	736	1092	292	270	384	800	900
KRBY1040	MH.xx.x.xx.1.100	2133	377	816	132	571	657	1562	680	2129	1317	822	671	494	731	660	816	M16	460	800	936	200	842	1092	322	270	384	800	900
KRBY1040	MH.xx.x.xx.1.125	2133	377	816	145	571	657	1562	680	2254	1432	822	671	494	731	660	816	M16	460	800	942	200	642	1192	382	270	384	800	900

Approximate values
The dimensions B are reduced by 25 mm with counterflange and gasket.

KRBY1025 KRBY1030 KRBY1040 mille SERIES

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

ELECTRONIC OPERATION

			KRBY1025		KRBY1030		KRBY1040	
Model	Gas train	Operation	Code	Price €	Code	Price €	Code	Price €
HEAVY OIL 4000 cSt at 50°C (530°E at 50°C)								
MH. PR.S.xx.A.1.65.EC	DN65	PR (*)	02319285C		02319315C		-	
MH. PR.S.xx.A.1.80.EC	DN80	PR (*)	02319295C		02319325C		02319345C	
MH. PR.S.xx.A.1.100.EC	DN100	PR (*)	02319305C		02319335C		02319355C	
MH. PR.S.xx.A.1.125.EC	DN125	PR (*)	-		-		02319365C	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

ELECTRONIC OPERATION

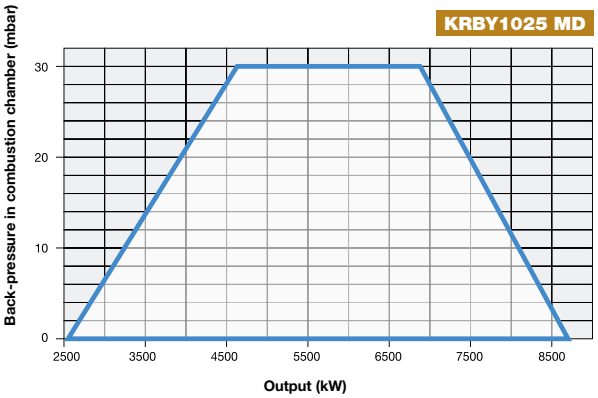
			KRBY1025		KRBY1030		KRBY1040	
Model	Gas train	Operation	Code	Price €	Code	Price €	Code	Price €
HEAVY OIL 4000 cSt at 50°C (530°E at 50°C)								
MH.MD.S.xx.A.1.65.ES	DN65	MD (**)	02319285S		02319315S		-	
MH.MD.S.xx.A.1.80.ES	DN80	MD (**)	02319295S		02319325S		02319345S	
MH.MD.S.xx.A.1.100.ES	DN100	MD (**)	02319305S		02319335S		02319355S	
MH.MD.S.xx.A.1.125.ES	DN125	MD (**)	-		-		02319365S	

(**) The burners are already MD version.
In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

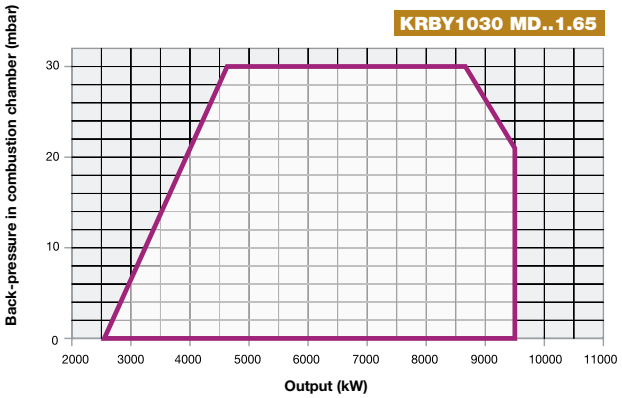
In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

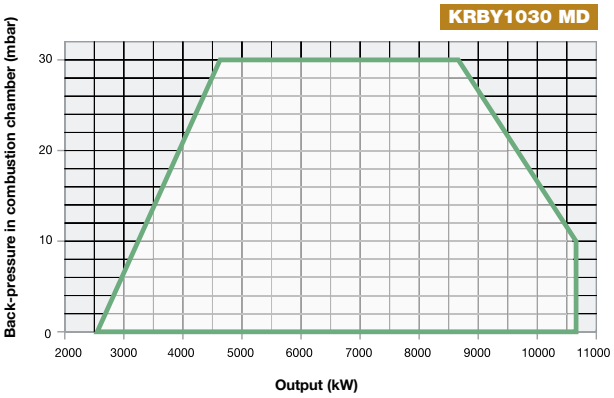
KRBY1025 MD



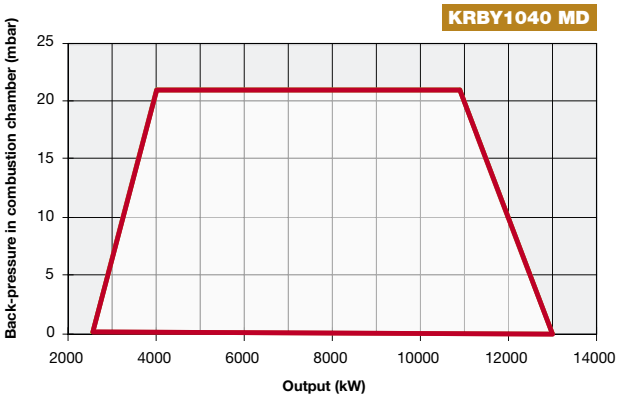
KRBY1030 MD..1.65



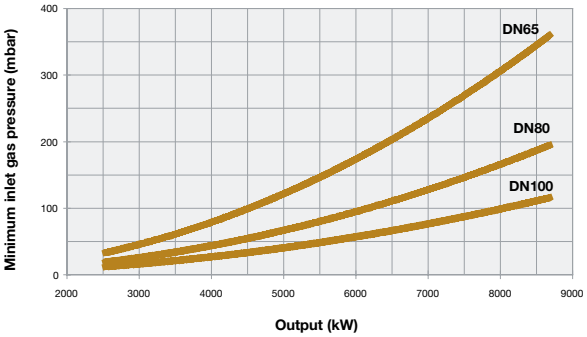
KRBY1030 MD



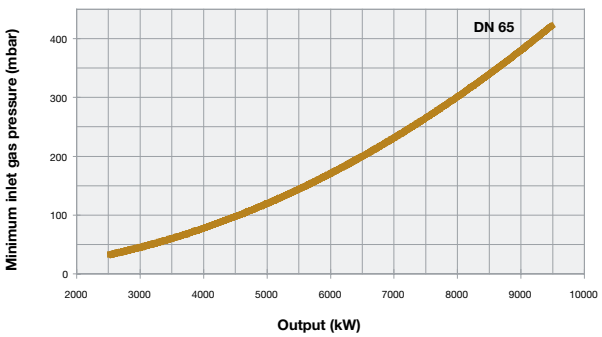
KRBY1040 MD



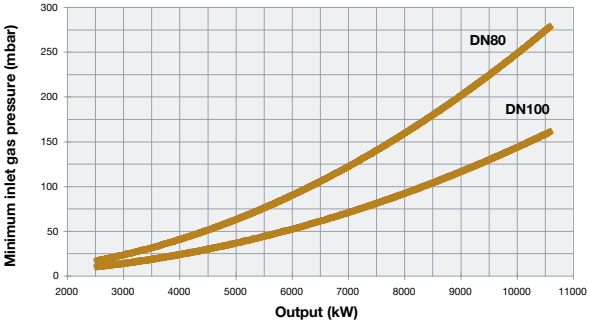
KRBY1025 MD



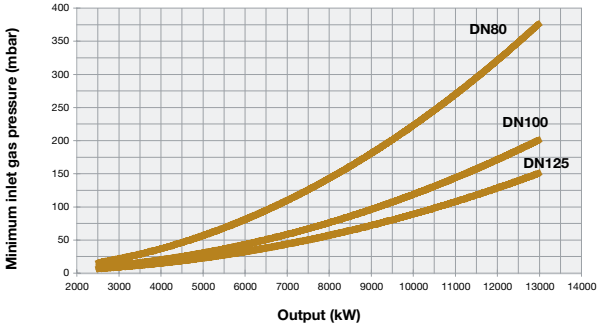
KRBY1030 MD..1.65



KRBY1030 MD



KRBY1040 MD



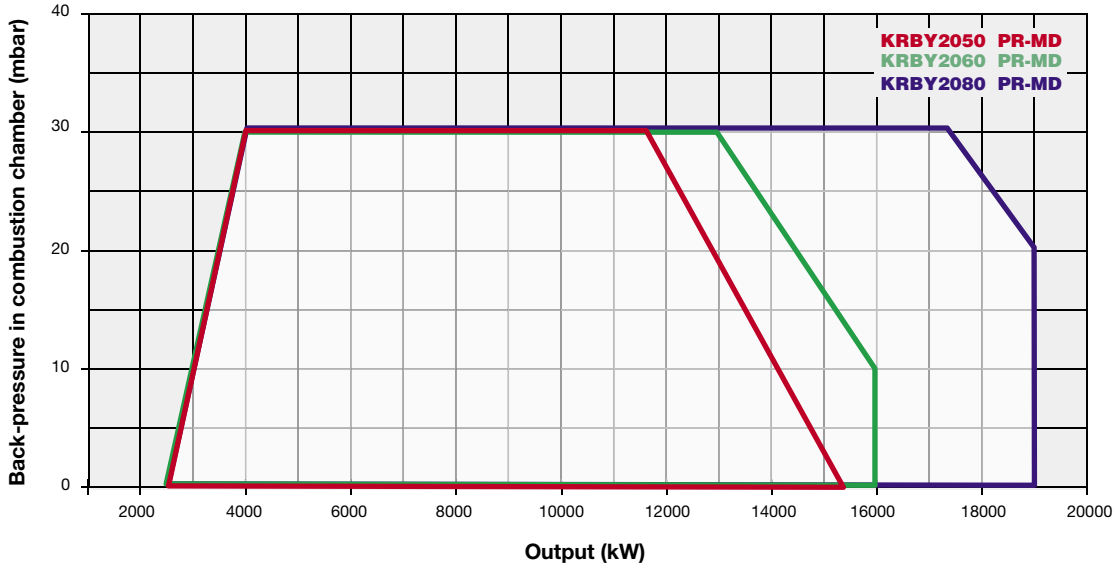
Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.

KRBY2050 KRBY2060 KRBY2080 duemila SERIES

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

This particular GAS/HEAVY OIL burners series has been developed in order to use compressed air or, alternatively, steam as a fluid to atomize the fuel, with the aim to achieve a better combustion result compared to the one gained using the traditional atomizing systems.
These burners are provided with a low pressure nozzle which allows consumption levels to be kept low and which also limits the general wear of the whole atomization system.
All burners are progressive and are completed with an electrical control cabinet and with a pump oil to be installed by the final user. Furthermore, the nozzle performs an automatic cleaning process at the end of each cycle.
The plant must be provided with compressed air or steam at 6-10 bar.
Burners are ignited through a pilot which can work either with natural gas or LPG and are suitable to be used with fuels with a viscosity up to 4.000 cSt at 50°C (530°E at 50°).
The standard version of burners is set up to atomize with compressed air only; when steam is requested for the atomization, the burner will be modified though a specific kit.
However, compressed air must be always present at the burner in the following cases:
- cold start ups when no steam is available;
- valve opening for automatic nozzle cleaning.

Oil pump set (pump, motor, oil tank and filter) is included, but supplied loose (not assembled on the burner)



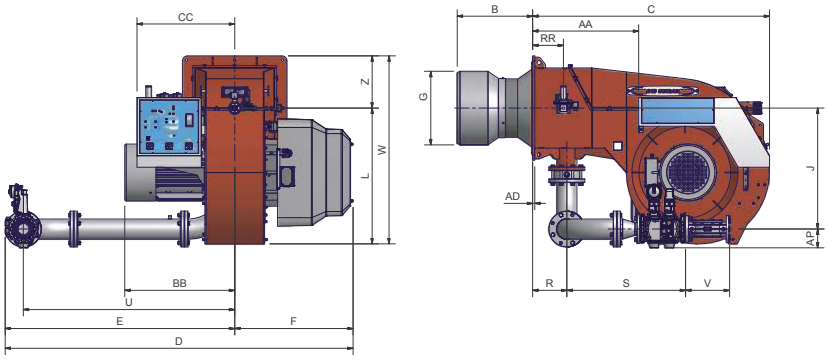
KRBY2050 KRBY2060 KRBY2080

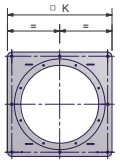
PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

TECHNICAL DETAILS

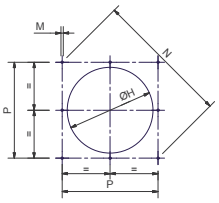
Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor	Pump motor	Resistor	Gas connections	Noise level
		min.	max.			kW	kW	kW		dBA
KRBY2050	MH.xx.S.xx.A.1.xxx.xx	2.500	15.200	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	37	1,1	24 + 24	DN80 - DN100 - DN125	92,5
KRBY2060	MH.xx.S.xx.A.1.xxx.xx	2.500	16.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	45	1,1	24 + 24	DN80 - DN100 - DN125	91,7
KRBY2080	MH.xx.S.xx.A.1.xxx.xx	2.500	19.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	55	1,1	24 + 24	DN100 - DN125	91,7

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



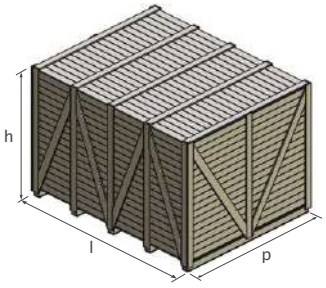


Burner flange



Suggested boiler drilling

Low pressure pump set (pump, motor, oil tank and filter) is included, but supplied loose (not assembled on the burner).



Type	Packaging dimensions (mm)			
	l	p	h	kg
KRBY2050	2.396	1.886	1.969	1.430
KRBY2060	2.396	1.886	1.969	1.510
KRBY2080	2.396	1.886	1.969	1.610

Approximate values

Type	Model	Overall dimensions (mm)																										
		AA	AC	AD	AE	AP	B	BB	C	CC	D	E	F	G	H	J	K	L	M	N	P	R	RR	S	U	V	W	Z
KRBY2050	MH.xx.S.xx.A.1.80.xx	741	866	15	595	132	*	768	1898	735	2431	1604	827	*	*	845	730	949	M16	948	670	239	215	827	1477	310	1314	365
KRBY2050	MH.xx.S.xx.A.1.100.xx	741	866	15	595	145	*	768	1898	735	2447	1620	827	*	*	845	730	949	M16	948	670	239	215	874	1477	350	1314	365
KRBY2050	MH.xx.S.xx.A.1.125.xx	741	866	15	595	175	*	768	1898	735	2465	1638	827	*	*	845	730	949	M16	948	670	239	215	755	1477	480	1314	365
KRBY2060	MH.xx.S.xx.A.1.80.xx	741	866	15	645	132	*	807	1890	735	2309	1463	846	*	*	775	850	949	M16	1117	790	239	215	827	1336	310	1374	425
KRBY2060	MH.xx.S.xx.A.1.100.xx	741	866	15	645	145	*	807	1890	735	2325	1479	846	*	*	775	850	949	M16	1117	790	239	215	874	1336	350	1374	425
KRBY2060	MH.xx.S.xx.A.1.125.xx	741	866	15	645	175	*	807	1890	735	2343	1497	846	*	*	775	850	949	M16	1117	790	239	215	755	1336	480	1374	425
KRBY2080	MH.xx.S.xx.A.1.100.xx	741	866	15	645	145	*	885	1890	735	2325	1479	846	*	*	775	850	949	M16	1117	790	239	215	874	1336	350	1374	425
KRBY2080	MH.xx.S.xx.A.1.125.xx	741	866	15	645	175	*	885	1890	735	2343	1497	846	*	*	775	850	949	M16	1117	790	239	215	755	1336	480	1374	425

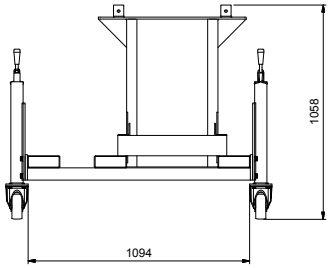
* The B, G, H dimensions must be confirmed from our technical DPT.
Approximate values

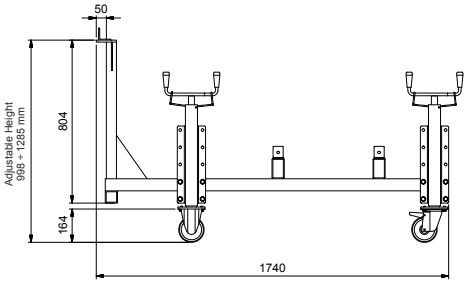
KRBY2050 KRBY2060 KRBY2080 duemila SERIES

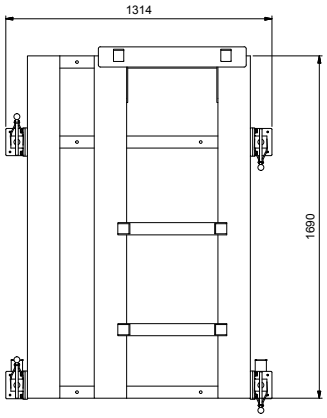
PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

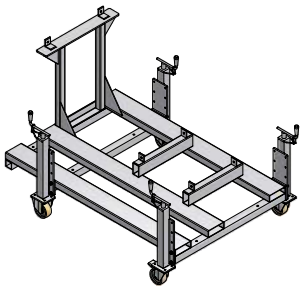
Monoblock burners 2000 series are supplied complete with a steel supporting frame; burner installation and manutention are greatly simplified.
The frame is equipped with wheels to easily move the burner, and its height is adjustable to match any type of boiler or furnace.

SUPPORTING FRAME FOR BURNERS 2050 SERIES

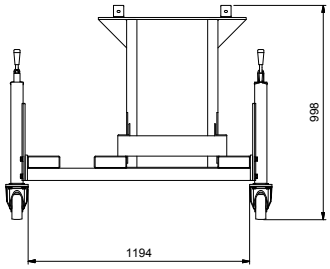


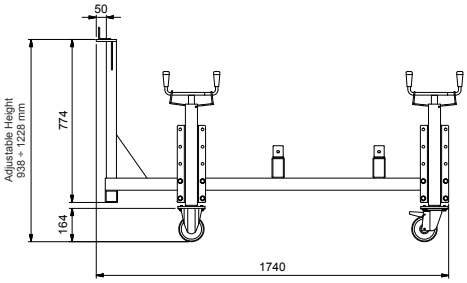


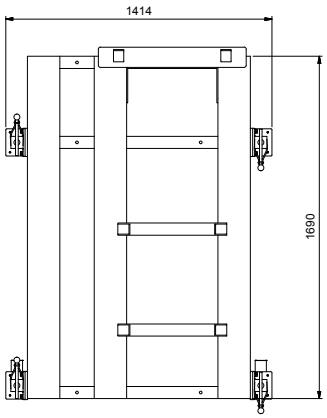


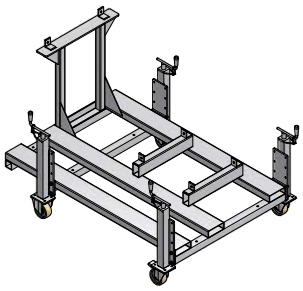


SUPPORTING FRAME FOR BURNERS 2060/2080 SERIES









PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

ELECTRONIC OPERATION

			KRBY2050		KRBY2060		KRBY2080	
Model	Gas train	Operation	Code	Price €	Code	Price €	Code	Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MH-.PR.S.xx.A.1.80.EC	DN80	PR (*)	03219105C		-		-	
MH-.PR.S.xx.A.1.100.EC	DN100	PR (*)	03219115C		-		-	
MH-.PR.S.xx.A.1.125.EC	DN125	PR (*)	03219125C		-		-	

(*) Progressive PR control, for modulating version MD add € (see price list)
In the full modulating version MD in order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

ELECTRONIC OPERATION

			KRBY2050		KRBY2060		KRBY2080	
Model	Gas train	Operation	Code	Price €	Code	Price €	Code	Price €
HEAVY OIL 50 cSt at 50°C (7°E at 50°C)								
MH-.MD.S.xx.A.1.80.ES	DN80	MD (**)	03219105S		03219135S		-	
MH-.MD.S.xx.A.1.100.ES	DN100	MD (**)	03219115S		03219145S		03219175S	
MH-.MD.S.xx.A.1.125.ES	DN125	MD (**)	03219125S		03219155S		03219185S	

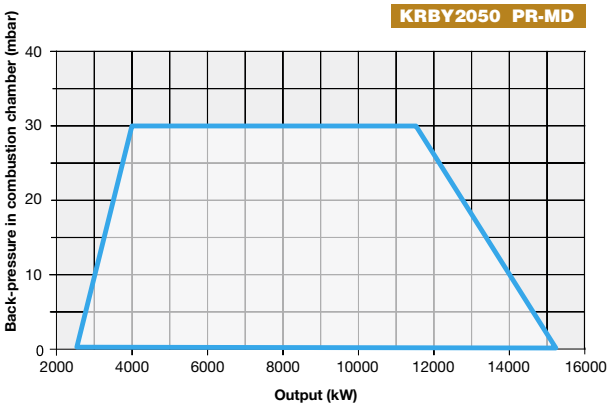
(**) The burners are already MD version.
In order for the supply to be completed, the burner must be equipped with the respective modulating probe (see accessory table, page 282).

In compliance with:
- GAR Directive 2016/426/EU
- Low Tension Directive 2014/35/UE
- Electromagnetic Compatibility Directive 2014/30/UE
- Machinery Directive 2006/42/CE

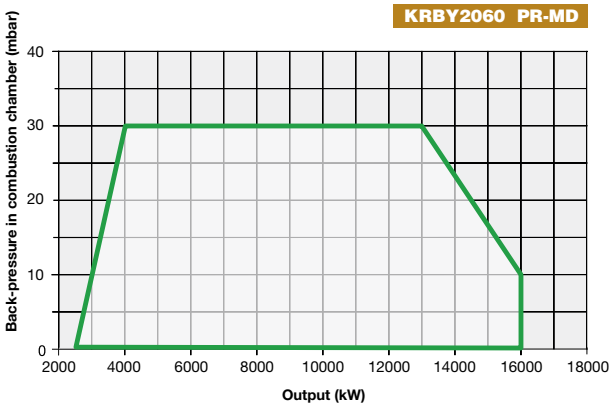
KRBY2050 KRBY2060 KRBY2080 duemila SERIES

PNEUMATIC ATOMIZATION WITH ELECTRONIC OPERATION
with viscosity up to 4000 cSt at 50°C (530°E at 50°C)

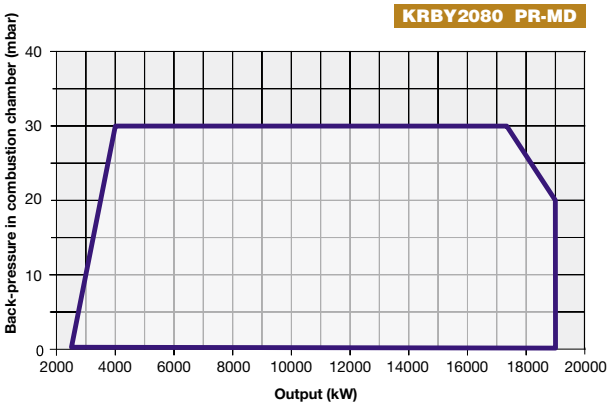
KRBY2050 PR-MD



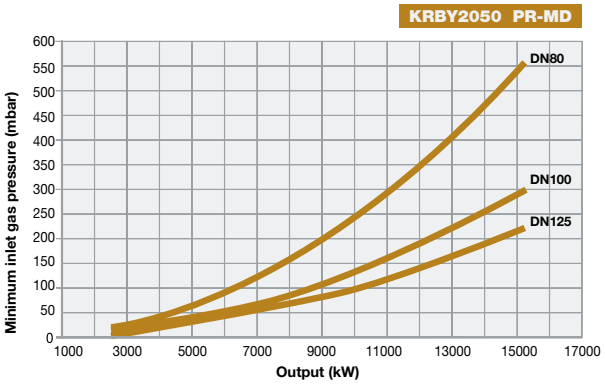
KRBY2060 PR-MD



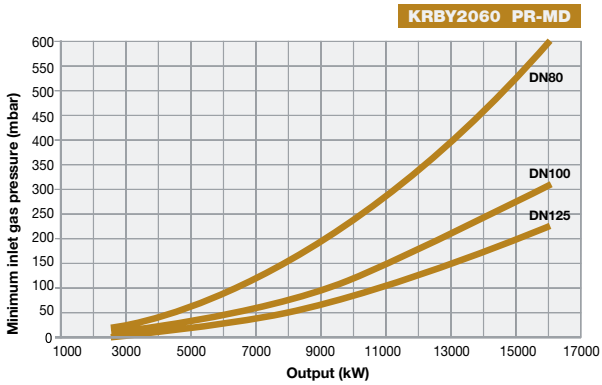
KRBY2080 PR-MD



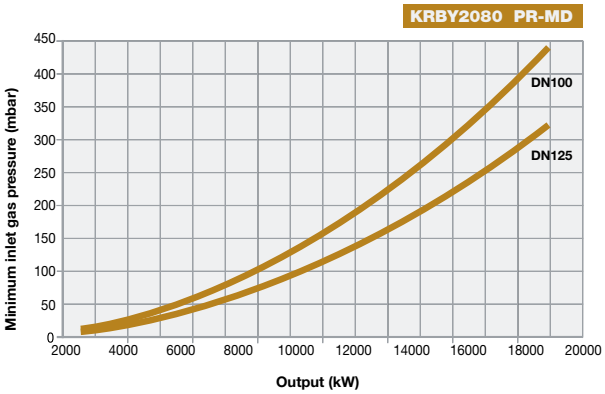
KRBY2050 PR-MD



KRBY2060 PR-MD



KRBY2080 PR-MD



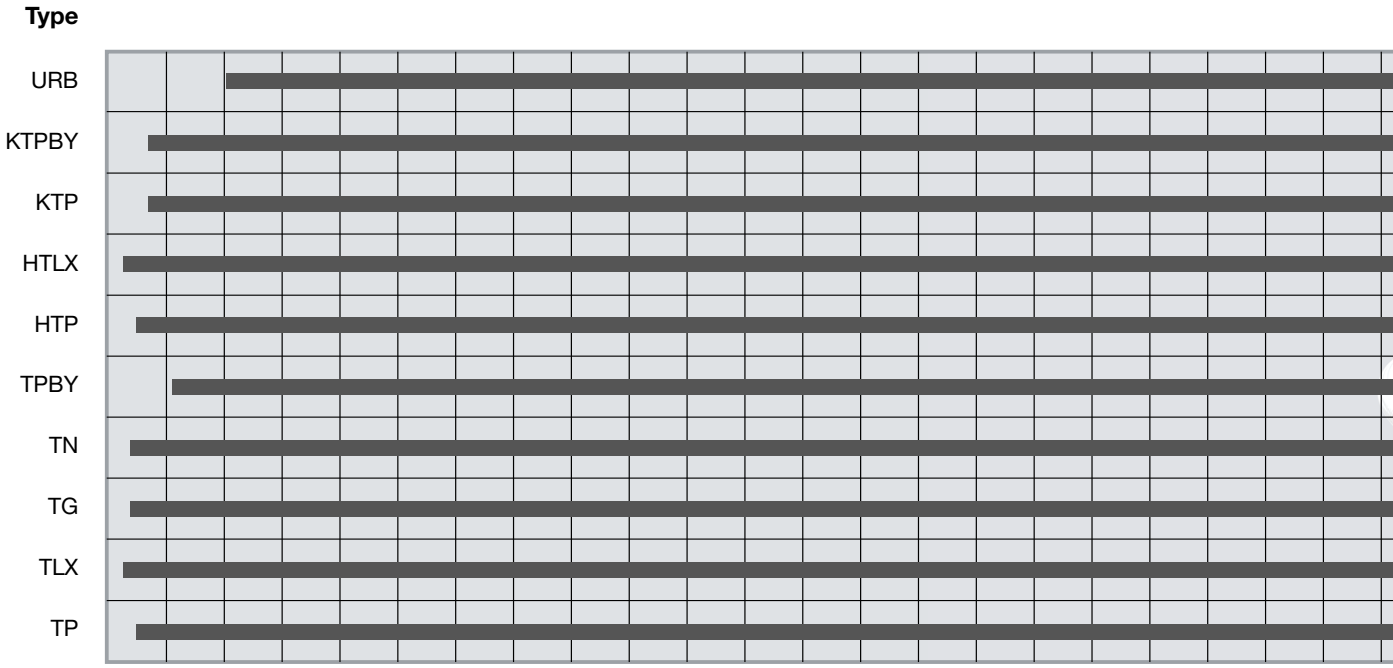
Attention: the graph shows the value of the gas output (kW) against the corresponding pressure without the combustion chamber back pressure. To know the minimum gas pressure at gas train, in order to get the gas output, it is necessary to add the boiler back pressure to the value read on the curve.

tecnopress series

TP gas
TLX gas low NOx
HTP dual fuel gas/light oil
HTLX dual fuel gas/light oil low NOx

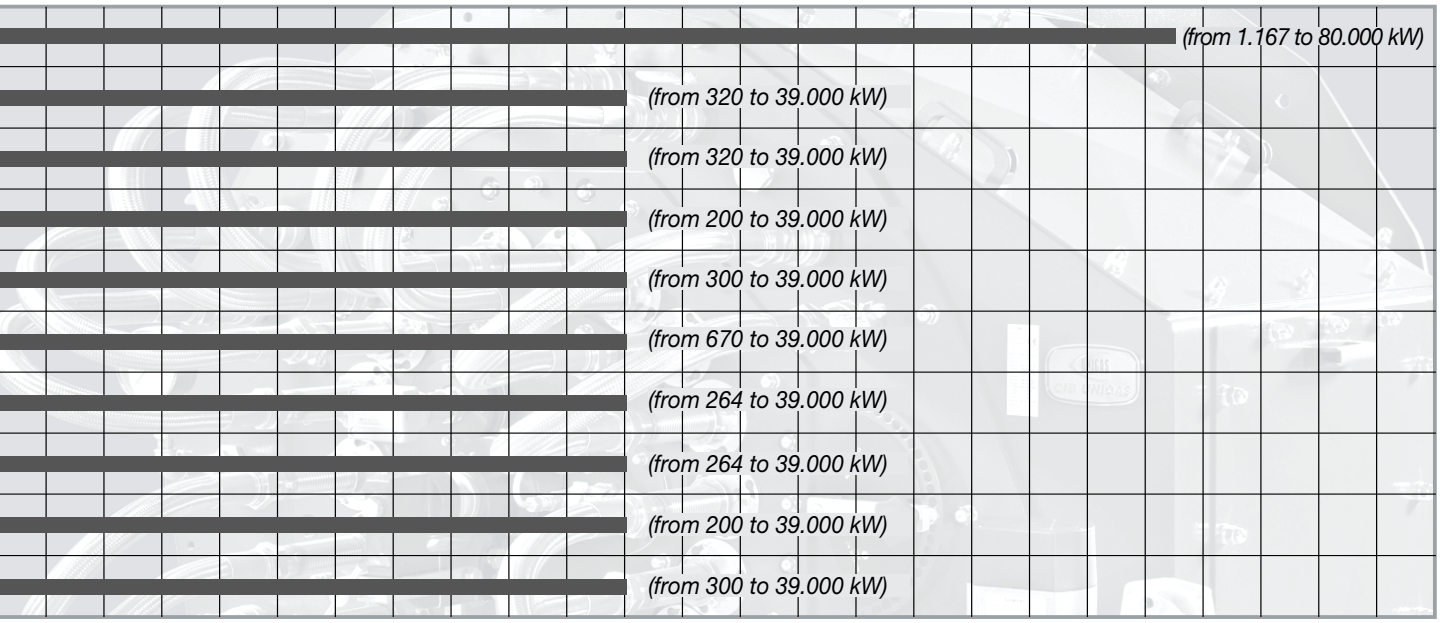
novanta, cinquecento, mille, duemila, tremila series

TP gas
TLX gas low NOx
TG light oil
TN heavy oil
TPBY heavy oil
HTP dual fuel gas/light oil
HTLX dual fuel gas/light oil low NOx
KTP dual fuel gas/heavy oil
KTPBY dual fuel gas/heavy oil



URB series

URB multifuel



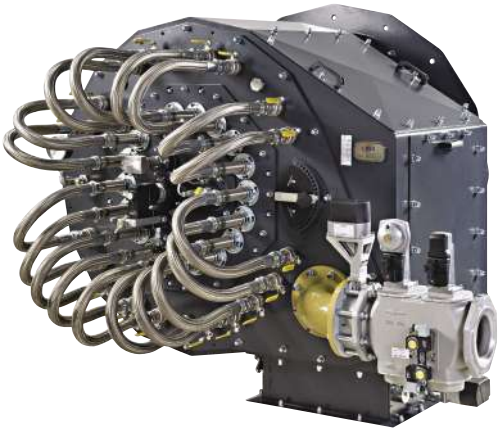
tecnopress novanta cinquecento mille duemila tremila URB SERIES

BURNERS FOR INDUSTRIAL APPLICATIONS WITH SEPARATE FAN

These industrial burners have been designed for all those applications in which singleblock models are poorly suited or entirely inadequate, such as wherever the power values at the firing would otherwise require the use of built-in fans of excessive size, whenever combustion air pre-heating is provided, or again, whenever the primary noise source must be shifted to soundproofed areas.

The range runs from 264 kW to 80 MW power in different constructive versions as required by the type of final system or specific client needs.
Aluminium casting is usually used for the lower power models (up to 19 MW), while steel construction is adopted for higher power models.
This industrial burner design project was developed to obtain the greatest versatility in order to achieve the objectives posed by the client, and therefore in respect of the widest range of technical specifications. For example, combustion heads with air inlet from above or below the firing, axial or tangential air flow, or registers for turbulence adjustment and other features can be provided. This means that the machines can be personalised as required by size and performance in different industrial sectors that often differ widely one from another.
All the combustion heads are obviously available in the versions for liquid, gaseous or mixed fuels.

Personalisation in these cases is almost inevitable and entirely feasible with our range, and all such requests are carefully analysed, one by one. Each system can be further distinguished by the equipment provided:
- built-in or separately-mounted (wall or console) control panels
- electronic or mechanical adjustment
- oxygen flow control
- flue gas re-circulation
- combustion air heated up to 200°C
- combustion oil thrust unit
- combustion oil heating unit



TLX1050

TLX2000

URBSH30