

RBY510 RBY515 RBY520 RBY525 *cinquecento* SERIES

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

This particular 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 accomplish 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.

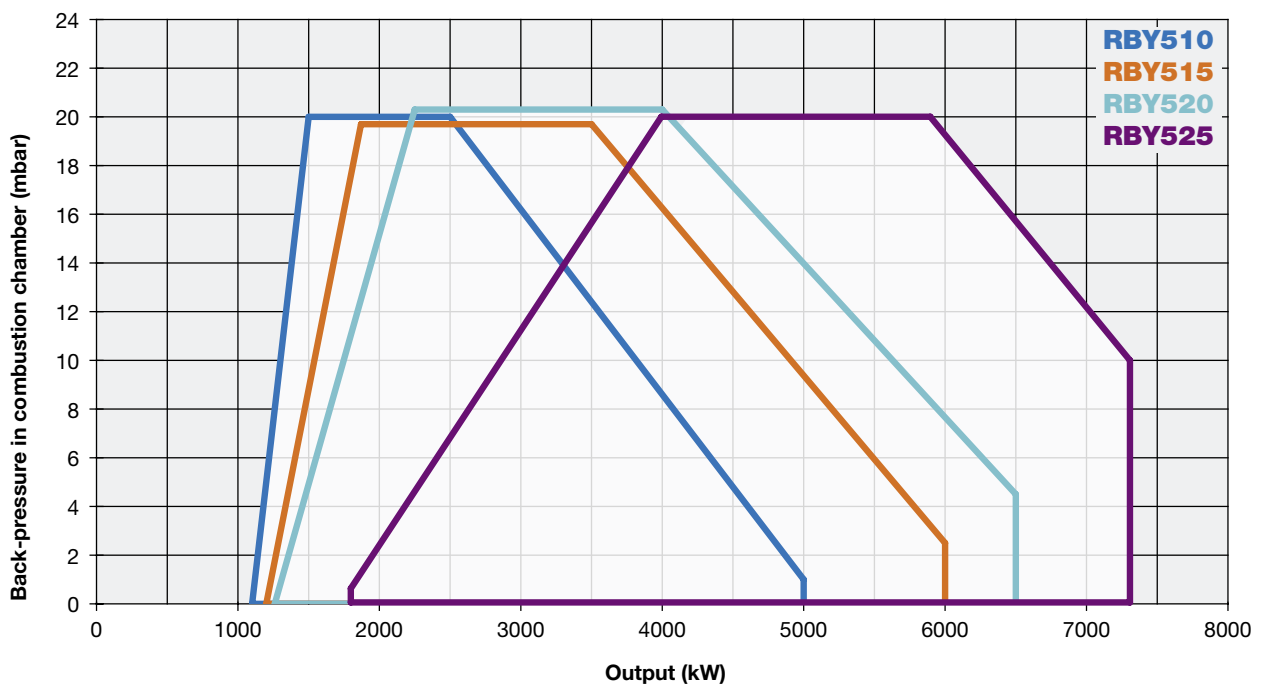
The plant must be provided with compressed air or steam at 6-10 bar.

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 only with compressed air, 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.



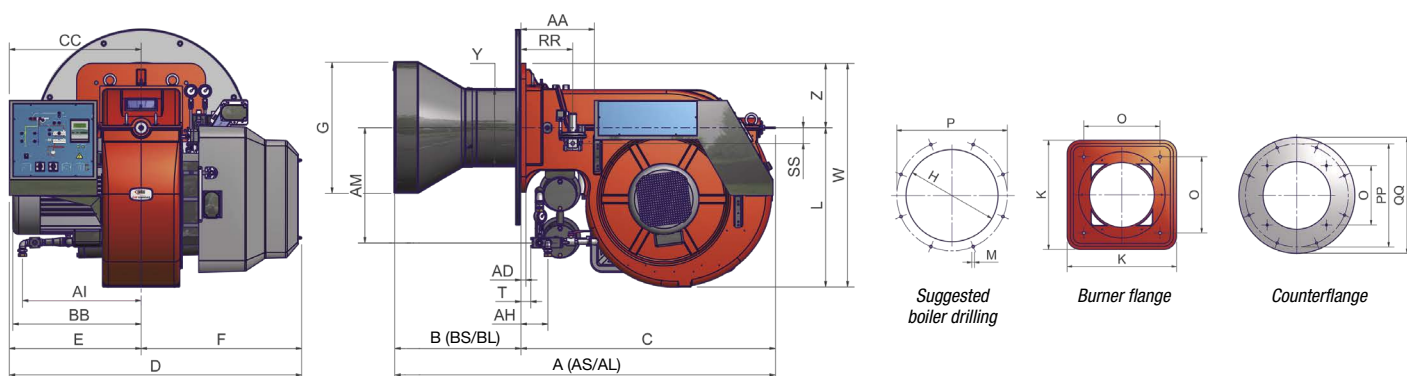
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HEAVY OIL

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TECHNICAL DETAILS

Type	Model	Output kW		Auxiliary electrical power supply	Motor electrical power supply	Fan motor kW	Pump motor kW	Resistor kW	Noise level dBA
		min.	max.						
RBY510	H-.xx.S.xx.A.xx	1.100	5.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	7,5	0,75	18,0	81,7
RBY515	H-.xx.S.xx.A.xx	1.200	6.000	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	11,0	0,75	18,0	82,3
RBY520	H-.xx.S.xx.A.xx	1.200	6.500	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	15,0	0,75	24,0	83,2
RBY525	H-.xx.S.xx.A.xx	1.800	7.300	230 V 1N AC 50 Hz	400 V 3 AC 50 Hz	18,5	0,75	24,0	84,9



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

Type	Packaging dimensions (mm)			
	l	p	h	kg
RBY510/515/520	1.730	1.430	1.130	410
RBY525	1.730	1.430	1.130	430

Approximate values

Type	Model	Overall dimensions (mm)																															
		AA	AD	AH	AI	AL	AS	BS	BL	BB	BB	C	CC	D	E	F	G	H	K	L	M	N	O	P	RR	SS	T	TT	W	Y	Z	PP	QQ
RBY510	H-.xx.x.xx.A.xx	219	35	265	448	-	1432	374	-	468	468	1058	571	1213	571	642	387	427	540	498	M14	552	390	800	109	115	44	547	827	329	270	800	850
RBY515	H-.xx.x.xx.A.xx	219	35	265	448	1616	1436	378	558	508	508	1058	571	1213	571	642	474	524	540	498	M14	552	390	800	109	115	44	547	827	329	270	800	850
RBY520	H-.xx.x.xx.A.xx	219	35	265	448	1616	1436	378	558	508	508	1058	571	1213	571	642	474	524	540	498	M14	552	390	800	109	115	44	547	827	329	270	800	850
RBY525	H-.xx.x.xx.A.xx	219	35	265	448	1616	1436	378	558	642	642	1058	571	1284	642	642	474	524	540	498	M14	552	390	800	109	115	44	547	827	329	270	800	850

Approximate values

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

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