

tecnopress series

KP60 KP72 KP73

GAS/HEAVY OIL

MECHANICAL ATOMIZATION

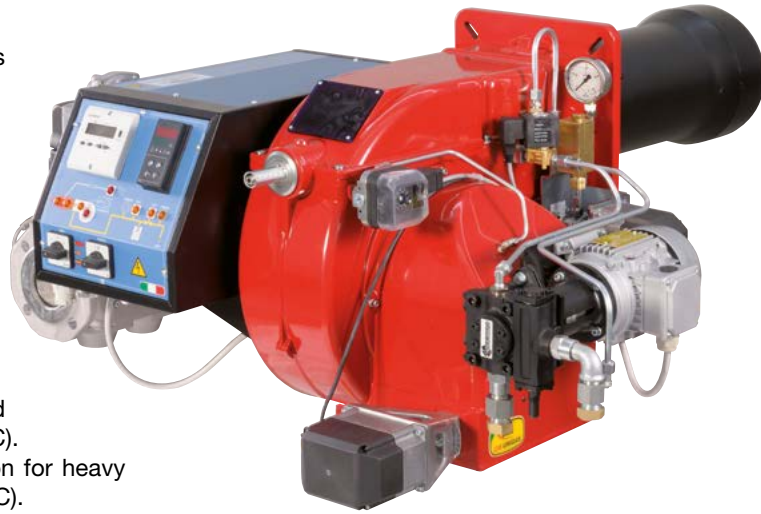
In order to meet the market requests of burners able to burn either natural gas or heavy oil, we have created the KP series, suitable for industrial applications of medium - high capacity.

The capacity of these burners, from 170 to 2050 kW, allows many solutions in the adjustment phase.

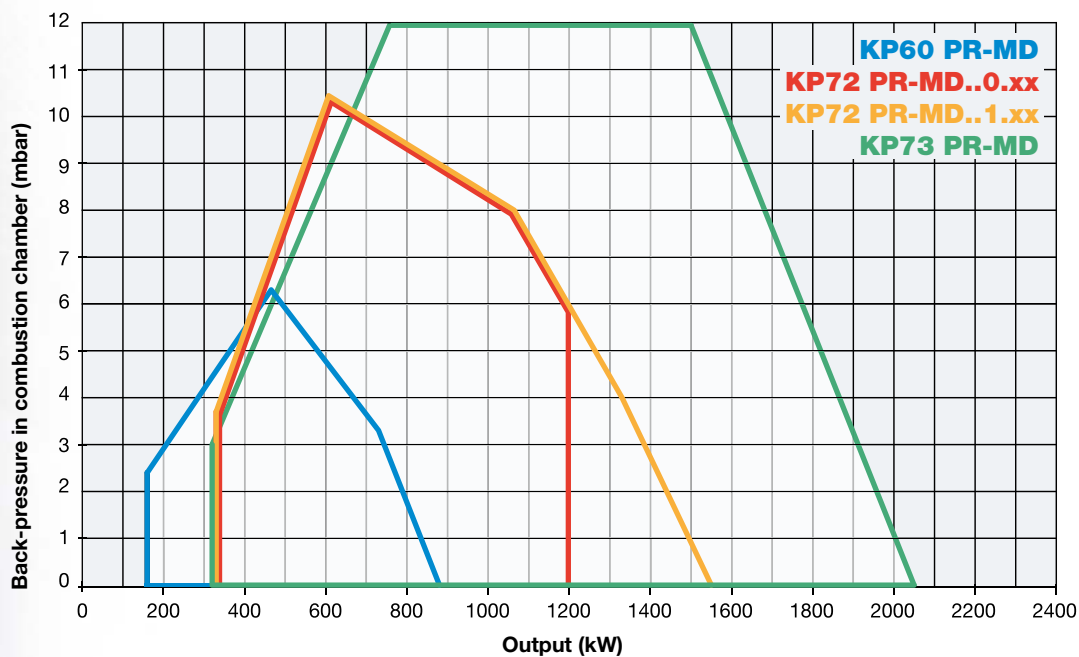
All these burners, with progressive or modulating operation, are appropriate to burn oil with a standard viscosity of 50 cSt at 50°C (7 E° at 50°C).

Upon request it is available the version for heavy oils up to 400 cSt at 50°C (50 E° at 50°C).

In order to keep the oil fluid, the burners are provided with a pre-heating tank equipped with low thermal load electrical resistance.



Electronic set up (optional)

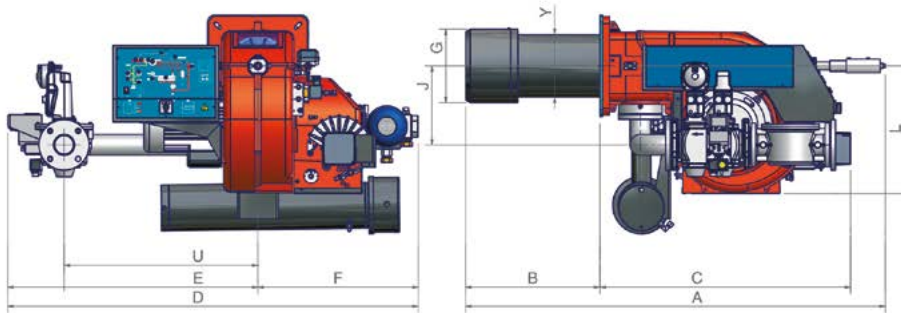




TECHNICAL DETAILS

Type	Model	Power kW		Electric power supply	Fan motor kW	Pump motor kW	Resistor kW	Gas connections
		min.	max.					
KP60	MN.xx.S.IT.A.0.xx	160	880	230/400 V 3N ac	1,1	0,55	4,5	1 1/2" - 2" - DN65
KP72	MN.xx.S.IT.A.0.xx	330	1.200	230/400 V 3N ac	2,2	0,55	8,0	2" - DN65 - 80
KP72	MN.xx.S.IT.A.1.xx	330	1.550	230/400 V 3N ac	2,2	0,55	8,0	2" - DN65 - 80
KP73	MN.xx.S.IT.A.1.xx	320	2.050	230/400 V 3N ac	3,0	1,10	12,0	2" - DN65 - 80

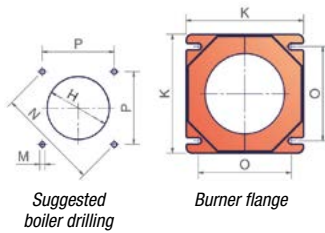
For the configuration of the gas train, see pages 110-111.



Type	Packaging dimensions* (mm)			
	l	p	h	kg
KP60	1730	1280	1020	176
KP72/KP73	1730	1280	1020	280

(*) Approximate values

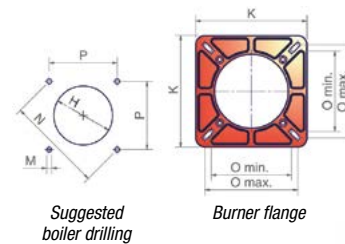
KP60



Suggested boiler drilling

Burner flange

KP72 - KP73



Suggested boiler drilling

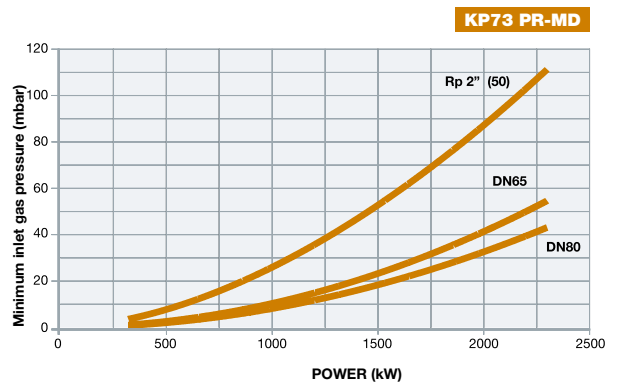
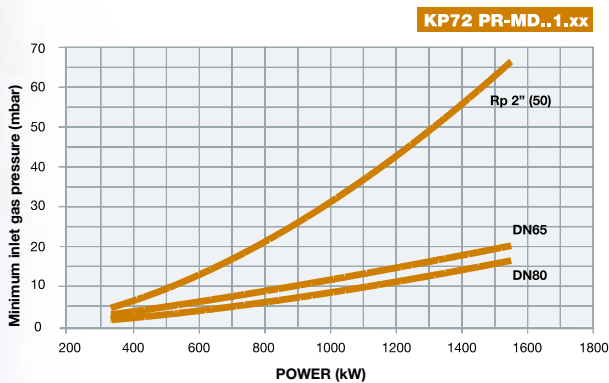
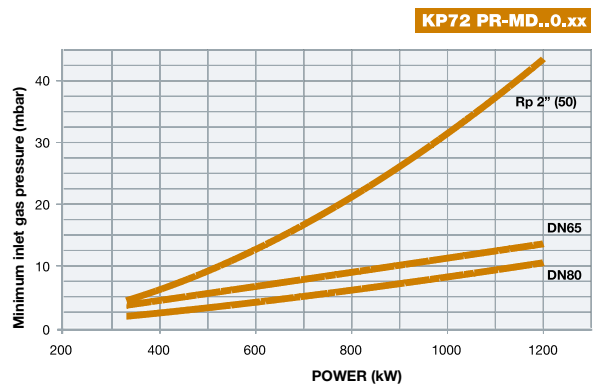
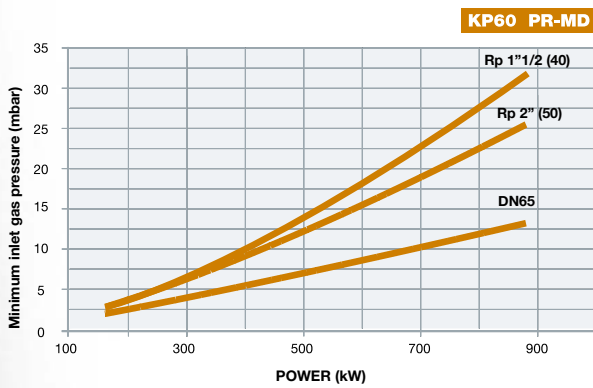
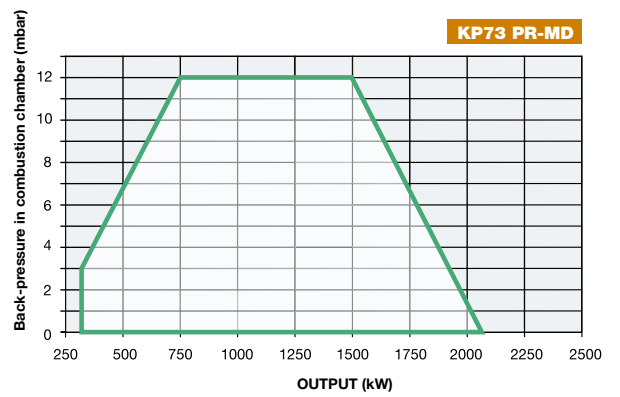
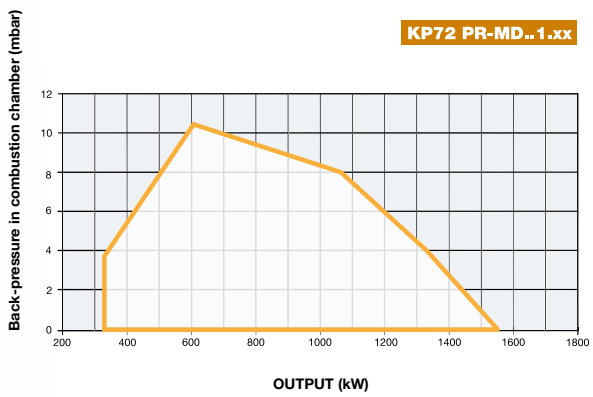
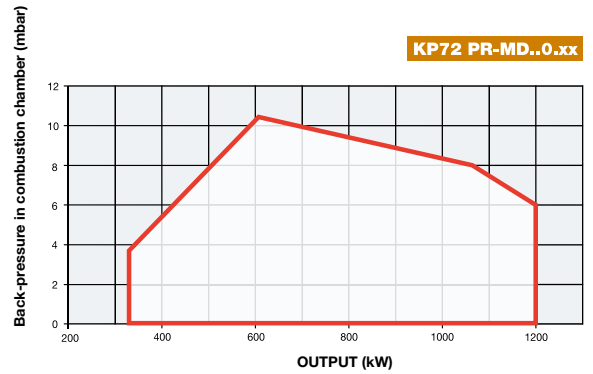
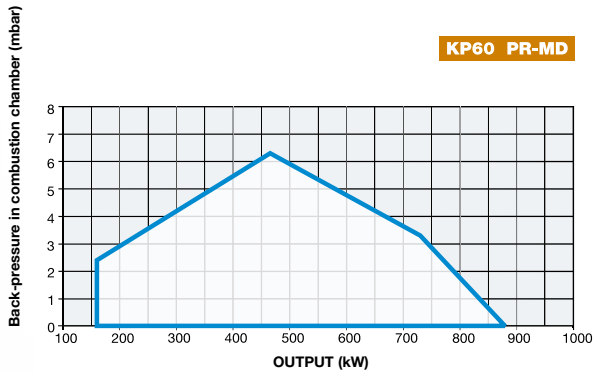
Burner flange

Type	Model	Overall dimensions* (mm)											Boiler drilling (mm)				Burner flange (mm)				
		A	B	C	D	E	F	G	J	Y	L	U	H	M	N	P	K	O			
KP60*	MN.xx.S.IT.A.0.xx	1116	376	740	1205	685	520	250	250	190	520	540	280*	M10	269	190	240	190	190		
KP72*	MN.xx.S.IT.A.0.xx	1325	505	820	1365	825	540	300	265	212	580	560	340*	M10	330	233	300	216	250		
KP73*	MN.xx.S.IT.A.0.xx	1320	500	820	1365	825	540	234	265	212	580	560	264	M10	330	233	300	216	250		

(*) 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 blast tube inside the boiler.

MECHANICAL ATOMIZATION



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.