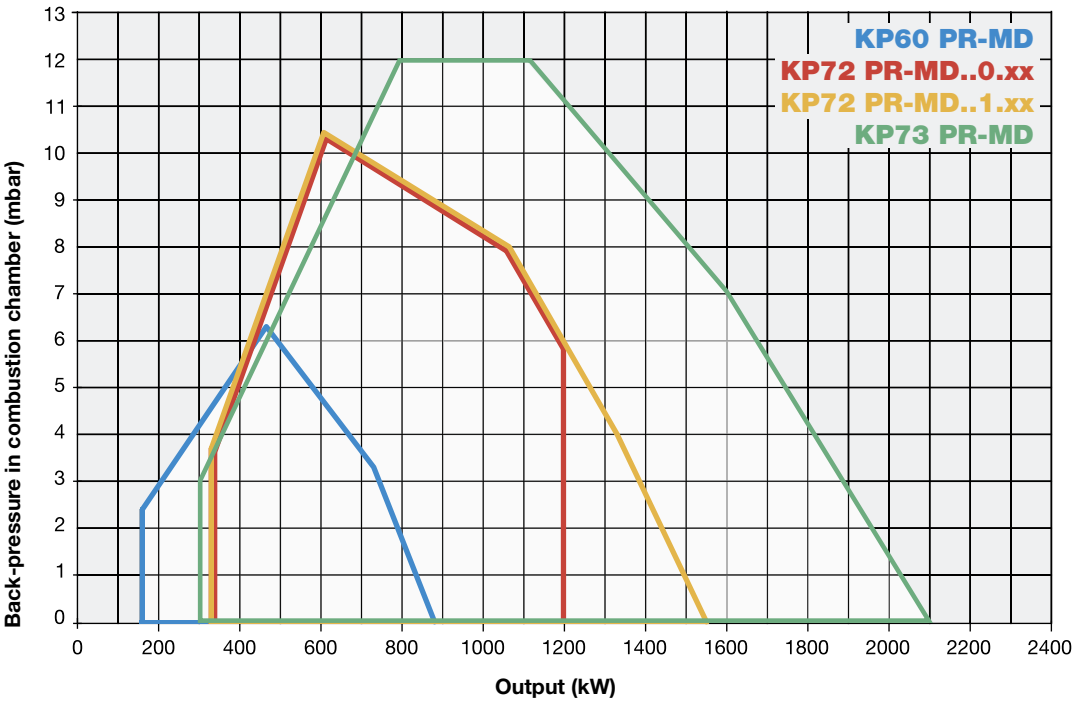
SERIE tecnopress KP60 KP72 KP73

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

The need to meet particular requests, as building burners able to burn either natural gas or heavy oil, has lead us to create the KP burner series, suitable for medium and large outputs and for industrial purposes.
The output of this series, from 160 to 2.100 kW, allows many adjustments to satisfy all requests.
All the burners with progressive or modulating operation, have been built to burn oil whose standard viscosity is 50 cSt at 50°C (7°E at 50°C).
Upon request it is available the version for heavy oil up to 400 cSt at 50°C (50°E at 50°C).
In order to keep the oil fluid, the burner is provided with a pre-heating tank equipped with low thermical load electrical resistance.

Electronic set up (optional)



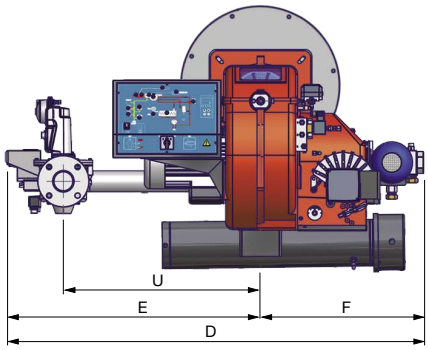
KP60 KP72 KP73 SERIE tecnopress

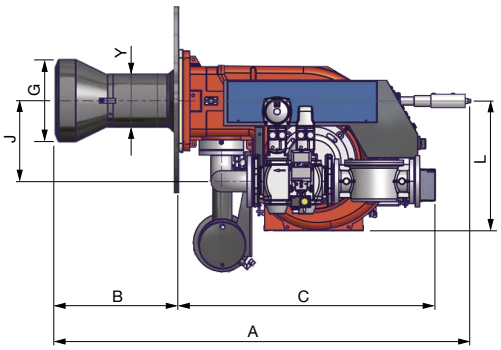
MECHANICAL ATOMIZATION
with viscosity up to 400 cSt at 50°C (50°E at 50°C)

TECHNICAL DETAILS

Type	Model	Power kW		Electric power	Fan motor	Pump motor	Resistor	Gas connections
		min.	max.	supply	kW	kW	kW	
KP60	MN.xx.S.xx.A.0.xx	160	880	230/400 V 3N ac	1,1	0,55	4,5	1”¼ - 1”½ - 2” - DN65
KP72	MN.xx.S.xx.A.0.xx	330	1.200	230/400 V 3N ac	2,2	0,55	8,0	1”½ - 2” - DN65 - 80
KP72	MN.xx.S.xx.A.1.xx	330	1.550	230/400 V 3N ac	2,2	0,55	8,0	2” - DN65 - 80
KP73	MN.xx.S.xx.A.1.xx	300	2.100	230/400 V 3N ac	3,0	1,10	12,0	2” - DN65 - 80

For the configuration of the gas train, see page 101.

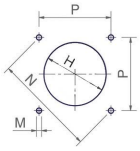




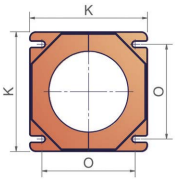
Type	Packaging dimensions (mm)			
	l	p	h	kg
KP60	1730	1280	1020	176
KP72	1730	1280	1020	280
KP73	1730	1280	1020	280

Approximate values

KP60

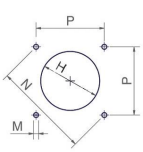


Suggested boiler drilling

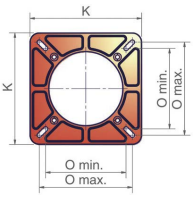


Burner flange

KP72 - KP73

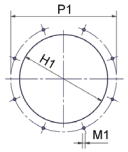


Suggested boiler drilling

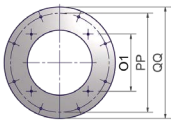


Burner flange

KP60 - KP72 - KP73
Installation with counterflange



Suggested boiler drilling



Counterflange

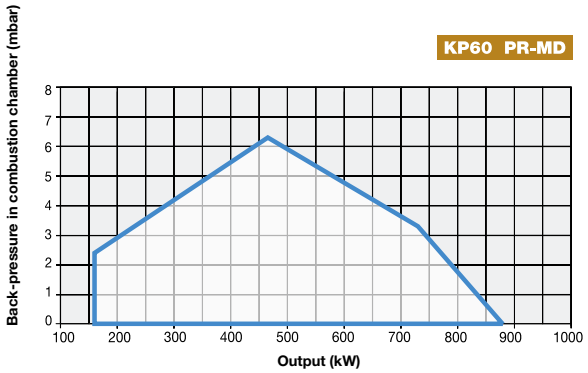
Type	Model	Overall dimensions (mm)											Boiler drilling (mm)							Burner flange (mm)			Counterflange (mm)		
		A	B*	C	D	E	F	G	J	L	U	Y	H•	H1	M	M1	N	P	P1	K	O		O1	PP	QQ
																					min.	max.			
KP60	MN.xx.S.xx.A.0.xx	1116	376	740	1205	685	520	250	250	520	540	190	280	280	M10	M12	269	190	480	240	190	190	190	440	480
KP72	MN.xx.S.xx.A.0.xx	1325	505	820	1365	825	540	300	265	580	560	212	340	340	M10	M12	330	233	480	300	216	250	233	440	480
KP73	MN.xx.S.xx.A.0.xx	1289	469	820	1365	825	540	320	265	580	560	212	340	340	M10	M12	330	233	480	300	216	250	233	440	480

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

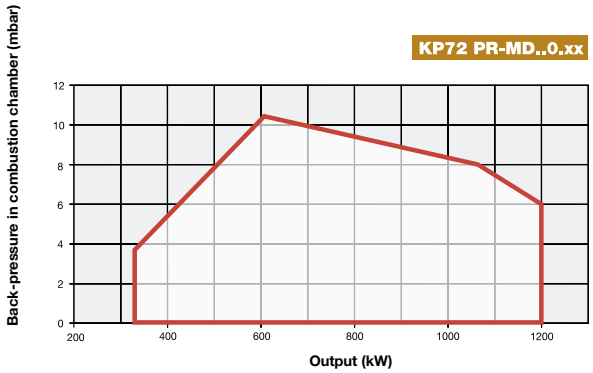
SERIE tecnopress KP60 KP72 KP73

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

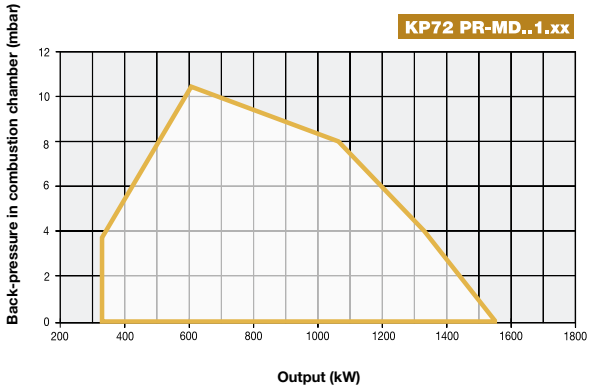
KP60 PR-MD



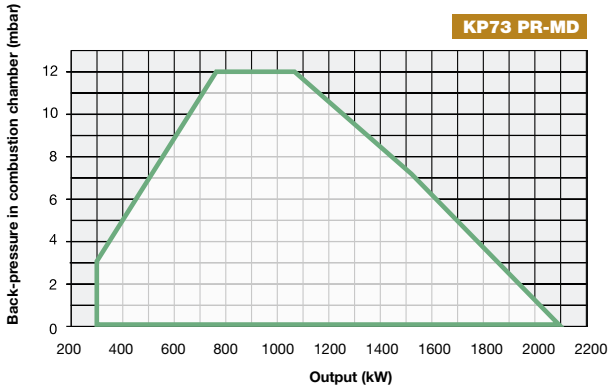
KP72 PR-MD..0.xx



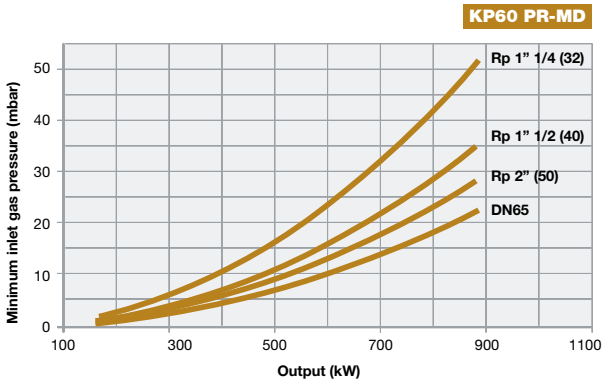
KP72 PR-MD..1.xx



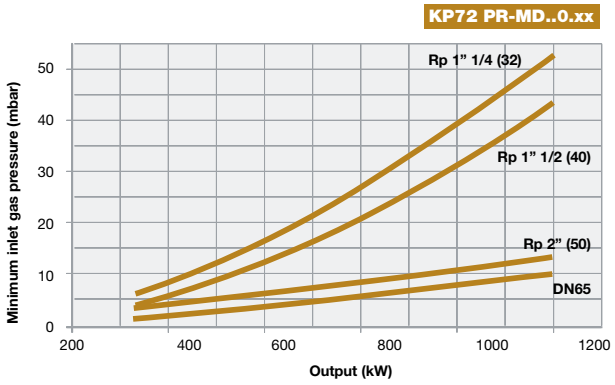
KP73 PR-MD



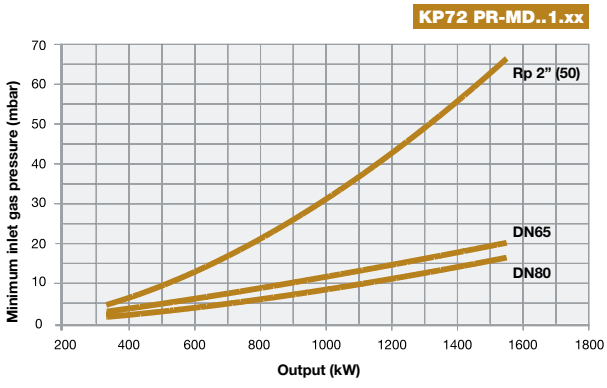
KP60 PR-MD



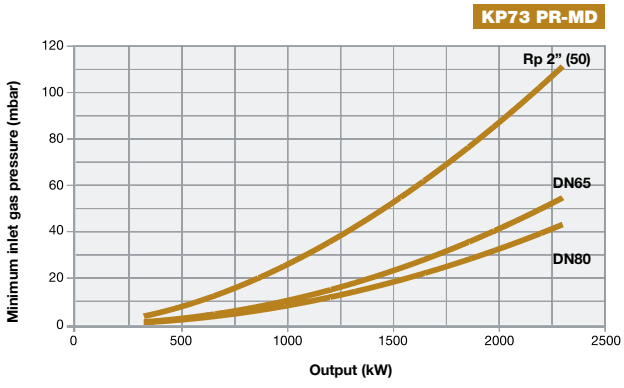
KP72 PR-MD..0.xx



KP72 PR-MD..1.xx



KP73 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.