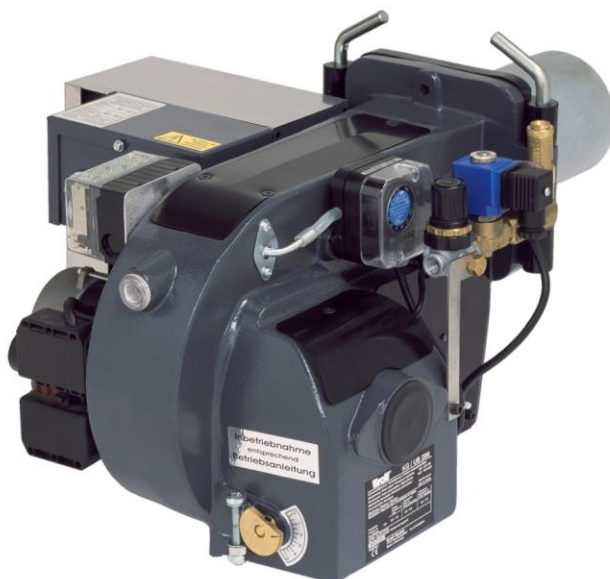


Can I fit a Kroll waste / multi oil burner onto my existing boiler?



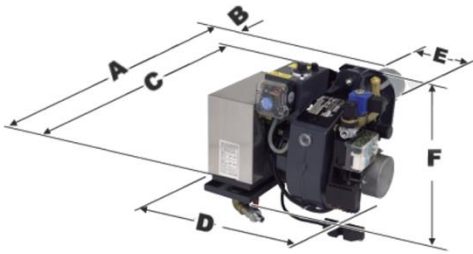
A Kroll KG/UB waste/multi oil burner from Flexiheat UK is a great way to significantly reduce your heating costs. With its ability to burn almost any used oils from waste engine oils and hydraulic oils to used vegetables oils and Bio Diesel. In fact, our range of waste/multi oil burners are so universal that they can also burn 100% rape seed oil and heating oils. Because of these wonderful advantages, more and more people are looking to replace their existing oil burner with one of our KG/UB burners.

Below, we have set out a variety of questions which should help you decide if a waste/multi oil burner is suitable for your existing appliance.

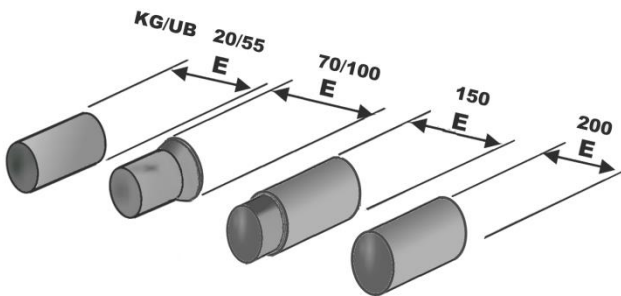
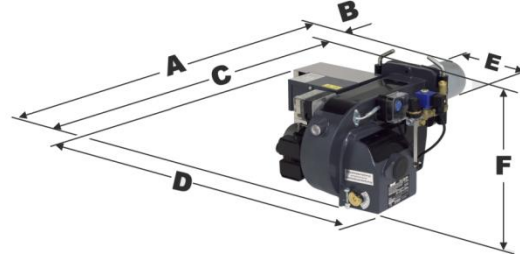
1. Will the KG/UB burner fit onto my existing boiler? Please check the dimensions, especially the dimensions of the "holes of the burner plate" and the "dimension of the burner tube". If these dimensions correspond to the dimensions of the burner's flame tube, the burner flange can be connected. Please check the below paying particular detail to dimensions "E" and "G". If the burner tube will fit and you can pick up the burner mountings (G) which have a range due to the slotted burner mounting flange.

Technical details of the Burners –KG/UB20P to KG/UB200

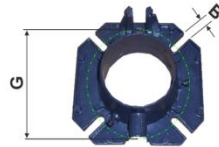
KG/UB20 P, KG/UB 20 – 100



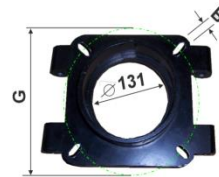
KG/UB 150 - 200



Burner tube dimensions



KG/UB20P-KG/UB100



KG/UB150-KG/UB200

Burner mounting flange details

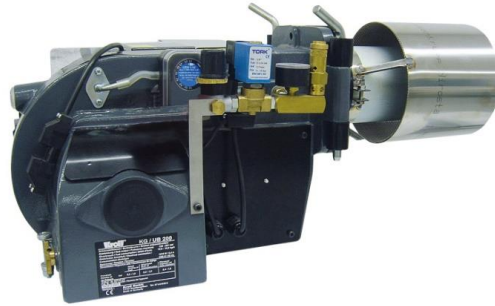
Technical data		KG/UB 20-P	KG/UB 20	KG/UB 55	KG/UB 70	KG/UB 100	KG/UB 150	KG/UB 200
Heat output *	kW	14 - 24	26 - 38	37 - 54	56 - 81	81 - 100	93 - 147	131 - 190
Fuel consumption	kg/h	1,4 – 2,2	2,5 – 3,9	3,6 – 5,2	5,4 – 7,8	7,8 – 9,6	8,9 – 14,1	12,7 – 18,0
Motor data	V W A	230~/50Hz 110 0,85	230~/50Hz 110 0,85	230~/50Hz 110 0,85	230~/50Hz 110 0,85	230~/50Hz 110 0,85	230~/50Hz 250 1,4	230~/50Hz 250 1,4
Power cartridge heater	W	1100						
Power supply	V W A	230~ 1210 6,0	230~ 1210 6,0	230~ 1210 6,0	230~ 1210 6,0	230~ 1210 6,0	230~ 1350 6,4	230~ 1350 6,4
Rotation	Rpm	2800						
Weight	kg	15	15	15	16	16	26	26
Measure								
A	mm	420	420	420	427	427	595	595
B	mm	116	116	116	123	123	175	175
C	mm	290	290	290	290	290	440	440
D	mm	390	390	390	390	390	460	460
E	mm	Ø 90	Ø 90	Ø 90	Ø 101	Ø 101	Ø 114	Ø 114
F	mm	340	340	340	340	340	300	300
Hole circle								
G	mm	150-170	150-170	150-170	150-170	150-170	160-200	160-200
H		M8	M8	M8	M8	M8	M8	M8

2. The minimum combustion chamber diameter is 180 mm. The minimum combustion chamber length must be –

KG/UB20P = 300 mm
 KG/UB20 = 320 mm
 KG/UB55 = 360 mm
 KG/UB70 = 360 mm
 KG/UB100 = 380 mm
 KG/UB150 = 400 mm
 KG/UB200 = 400 mm

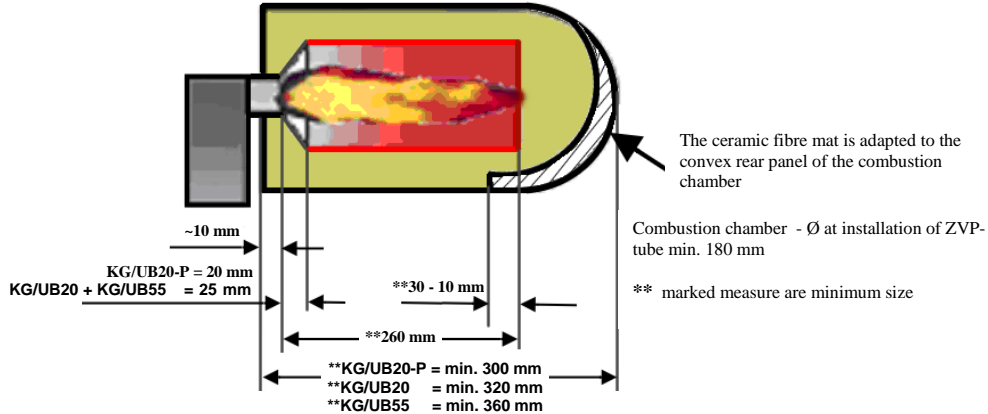
3. Construction of your Boilers Combustion Chamber;-

We have developed and patented our "ZVP" burner tube. This acts like another combustion chamber, within a combustion chamber, ensuring higher efficiency, better combustion, lower flue gas temperatures and longer maintenance periods

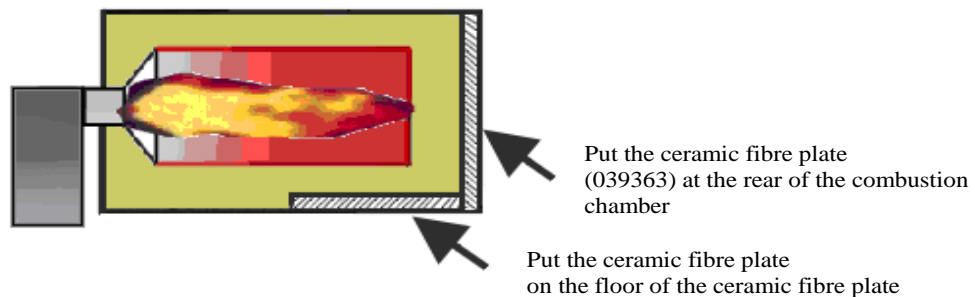


The ZVP burner tube ,which is attached directly to the burner comes with a ceramic mat for combustion chambers with convex rear as standard or a 500mm x 500mm ceramic fiber board for combustion chambers with a vertical rear panel

ZVP installation requirements –For Combustion chambers with a convex rear



ZVP installation requirements –For Combustion chambers with a flat rear panel

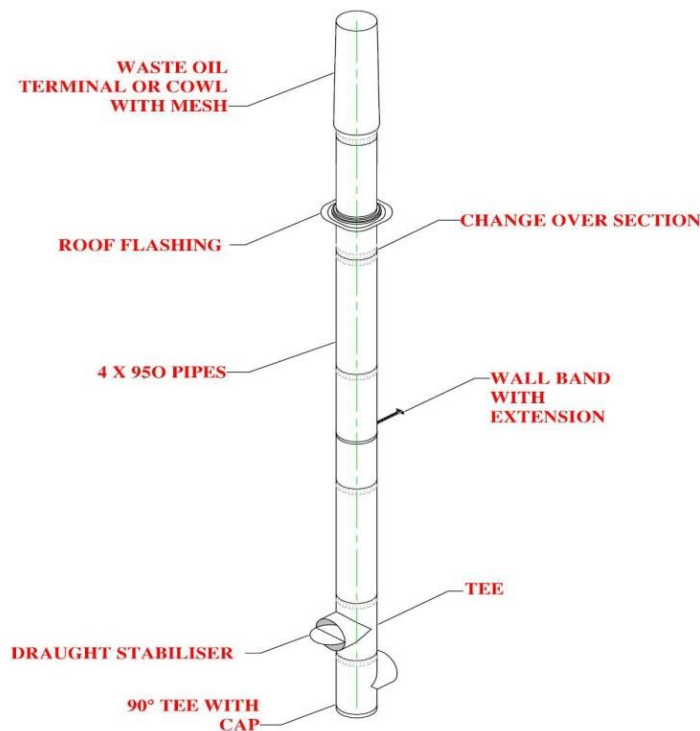


4. The Kroll waste/multi oil burners range require a compressed air supply. This is neither a large amount of air (cfm) nor a high pressure (1.5 Bar Maximum). Kroll produce a whisper quiet compressor, which is extremely quiet and compact (roughly the size of a briefcase), this compressor is controlled by the burner, and is only in use when the burner has a demand. You can utilize your own compressor, as long as it meets the requirements of the burner, and you fit a good quality filter, regulator, water trap prior to the burner.



Kroll UBK quiet (50dba) Compressor

5. A waste oil flue, minimum of 4 meters, which includes an open terminal and a draught stabilizer, is also required. See below drawing of our recommended flue kit



For more information on our waste/multi oil burner range, please click [here](#) Alternatively, please give us a call on **01202 822222** and our dedicated sales team will be happy to offer advice and assistance or just contact us by mail by clicking [here](#)