



KG/UB20 to KG/UB100



MULTI-FUEL OIL BURNERS KG/UB

- The main characteristic is the fact that in general, mineral, vegetable and animal oils can be used as fuel.
- The corresponding burner settings to the combustibles can be done without special tools by changing the pre-heating temperature and the proportion between combustion air and combustible.
- The energetic density of vegetable oils is close to the values of heating oils. Vegetable oils are renewable, CO₂-neutral and do not contain any sulphur or heavy metals.

Technology

The combustible is atomized by using compressed air and comparatively large nozzle diameters in order to prevent blocking even if polluted or viscous oils are burnt. A separate fuel supply system sucks the combustible out of the storage tank and filters it. It is then preheated in the burner's preheating tank. This also ensures that there is a constant flow of combustible and thus a constant proportion of combustion air and combustible at the ignition electrode, which in the end ensures a constant and perfect combustion.

Compressed air supply

If you have an existing compressed air supply, you can use it in order to feed the KG/UB burner with compressed air.

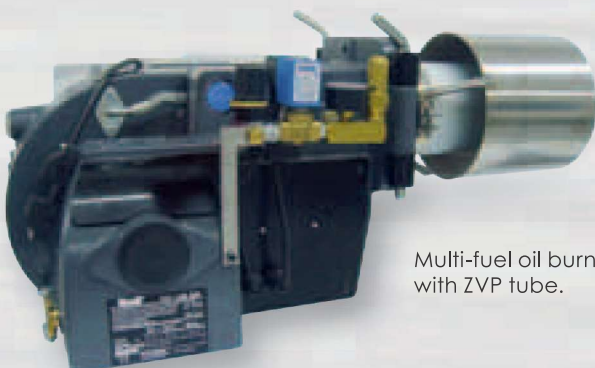
Fields of operation

- Use in warm air generators in general and especially developed for Kroll heaters
- Large Industrial halls
- Garages
- Production halls
- Warehouses

Admission

TUV approved for technical rapeseed oil according DIN 51605.

KG/UB150 / KG/UB200



Multi-fuel oil burner
with ZVP tube.

TECHNICAL DATA AND PRICES

Power range 14 to 54 kW

Model		KG/UB20P	KG/UB20	KG/UB55
	€ No.	1.847,- 042510	2.024,- 027142	2.095,- 027143
Heating power with rapeseed oil	kW	14–24	26–38	37–54
Oil consumption	kg/h	1,4–2,2	2,5–3,7	3,6–5,2
Electrical connection	V/Hz		230/50	
Electrical power supply	kW	0,46	1,21	1,21
Weight	kg	11,5	15	15
Drilling in the burner plate	mm	140–170	150–170	150–170
Burner tube	Ø mm	88	90	90

Power range 56 to 190 kW

Model		KG/UB70	KG/UB100	KG/UB150	KG/UB200
	€ No.	2.323,- 027144	2.489,- 027145	3.129,- 027146	3.234,- 027147
Heating power with rapeseed oil	kW	56–81	81–100	93–147	131–190
Oil consumption	kg/h	5,4–7,8	7,8–9,6	8,9–14,1	12,7–18,0
Electrical connection	V/HZ			230/50	
Electrical power supply	kW	1,21	1,21	1,35	1,35
Weight	kg	16	16	26	26
Drilling in the burner plate	mm	150–170	150–170	160–200	160–200
Burner tube	Ø mm	101	101	114	114

ACCESSORIES AND PRICES

Accessories	Models	Part no.	€
Spacer flange with sealing necessary if used with certain types of boilers	KG/UB20P, KG/UB20 – KG/UB100	034129	133,-
	KG/UB150 – KG/UB200	034131	120,-
Patented ZVP tube for KG/UB20 only if used with heaters 25S and 40S	KG/UB20	038768	285,-
Patented ZVP tube with ceramic fibre mat	KG/UB20P, KG/UB20 – KG/UB55	038672	281,-
	KG/UB70 – KG/UB100	038770	309,-
	KG/UB150 – KG/UB200	038771	359,-
Ceramic fibre mat 6 mm, price per metre width 610 mm	by m KG/UB70 – KG/UB200	034241	17,-
Ceramic fibre plate ca. 25 x 500 x 500 mm	KG/UB70 – KG/UB200	039363	186,-
Feed system for external oil tank, fuel supply aggregate with preheated filter and float suction	KG/UB20P, KG/UB20 – KG/UB200	000901	1.017,-
Feed system for external oil tank, fuel supply aggregate with not preheated filter and float suction	KG/UB20P, KG/UB20 – KG/UB200	047550	674,-
Feed system with storage tank, fuel supply aggregate, preheated filter and float suction, Tank content: 59 l / KG/UB20 to KG/UB70 Tank content: 109 l / KG/UB100 to KG/UB200	KG/UB20 – KG/UB70	000900	1.857,-
	KG/UB100 – KG/UB200	000891	2.045,-

No matter if your boiler has got a combustion chamber made of stainless steel or cast iron, our patented ZVP tube in combination with a ceramic fibre mat or plate ensures a so-called "hot combustion chamber".

The patented ZVP tube lowers the flue gas temperature, raises the CO₂ values, lowers the soot which is created and helps make the burner not start so often.

Does the burner fit onto my boiler?

Please check the dimensions. Especially the dimensions of the "drilling 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.

	To be used for:	Installation length [mm]	Outer diameter [mm]
ZVP125	Multi-fuel oil burner KG/UB20P and KG/UB20 with warm air generators	220	127
ZVP140	Multi-fuel oil burner KG/UB20P, KG/UB20, KG/UB55 with hot water boilers	220	142
ZVP160	Multi-fuel oil burner KG/UB70, KG/UB100 with hot water boilers	220	162
ZVP180	Multi-fuel oil burner KG/UB150, KG/UB200 with hot water boilers	220	182