



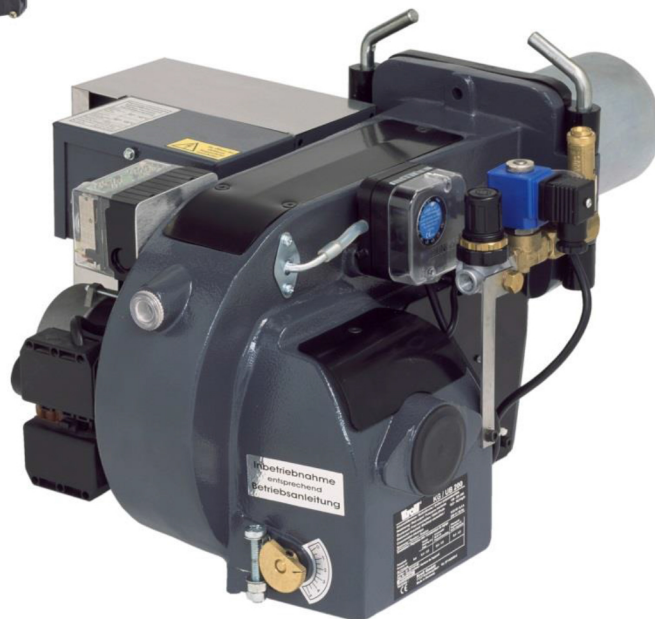
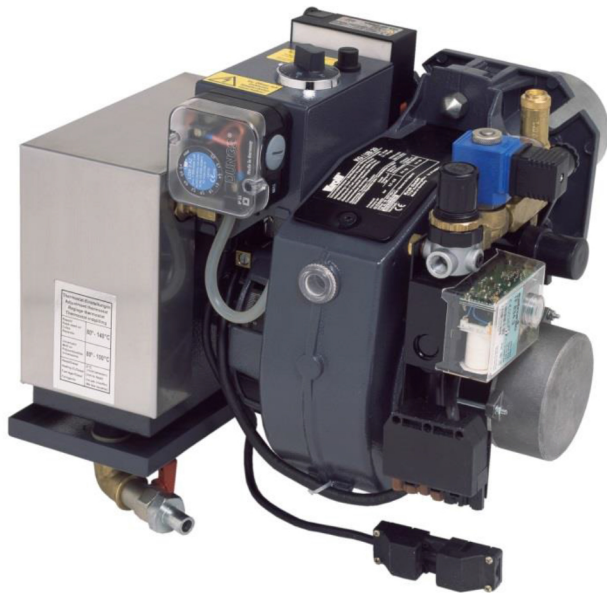
FLEXIHEAT UK LTD

Flexible Heating & Dehumidification Solutions

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www.flexiheatuk.com

Waste/ Multi Oil Burners



The fuels and their environmental compatibility

Mineral, vegetable and animal oils can be used as fuel without any significant modifications to the burner. All you have to do is turn a dial to re-adjust the pre-heating temperature and the combustion air according to the fuel to be used:

- rapeseed oil
- sun flower oil
- palm-oil
- used deep-fry oils
- animal oils
- mineral oils

Due to ever increasing costs of mineral oils, vegetable oils have become more and more important. Their energetic density is very close to the values of heating oil. Vegetable oils are renewable, CO₂- neutral and do not contain any sulphur or heavy metals.

Economic efficiency

Being independent from the mineral oil market, can allow you to reduce your fuel costs. Using cheap vegetable oil, e.g. rapeseed oil, can save you hard cash. Farmers can become self-sufficient, growing their own oil supplies. The low initial investment is also an important factor, as the pay back is often a very short period. The Kroll universal oil burner gives you the flexibility to choose your desired fuel based on current market prices. The choice is yours!

Uses

Stationary warm air heaters are the most economical way to heat commercial or industrial halls, production halls, warehouses etc. And especially when they are run with a Kroll universal oil burner instead of a conventional gas or oil burner. Flexiheat offer a large range of warm air Heaters, which are specially matched for this use.



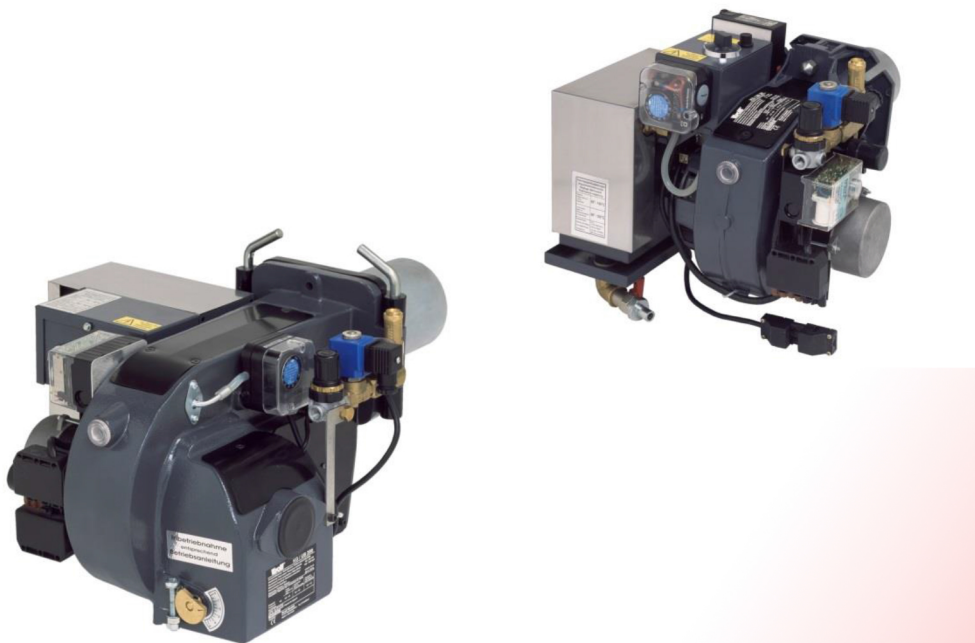
New and old boilers can easily be equipped with a Kroll universal oil burner giving you the flexibility to choose the specific oils that your budget allows



The technique

The combustible is sprayed by compressed air at a relatively low pressure. This allows the use of larger nozzles which do not get blocked even if soiled or semi fluid oils are used.

A separate suction pump system gets the fuel out of the tank and pumps it reliably to the burner, even over long distances. There, it is filtered, to 100 micron and pre-heated to 35 °C in our heated filter. The oil then enters the pre-heated tank on the burner and is heated to the desired temperature, which is dependant on which oil is being used – this is important for a constant quality of ignition and combustion.



Safety

Thermostatic and mechanical components reliably protect the burner against overheating and spillage. The burners are TUV-approved regarding electrical and mechanical safety and adhere to the most stringent emission regulations

Overview of the Kroll waste/multi oil burner

Power range 14 - 54 kW

Model		KG/UB20P	KG/UB20	KG/UB55
	No.	042510	027142	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 consumption	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 - 190 kW

Model		KG/UB70	KG/UB100	KG/UB150	KG/UB200
	No.	027144	027145	027146	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 consumption	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

*related to rapeseed oil DIN 51605

The burners have a TUV approval according to DIN EN 267 exclusively with technical Rapeseed oil according to DIN 51605

Supply with compressed air

Many industrial sites have a compressed air supply. This can be used to supply the Kroll universal oil burner with compressed air it requires. For those who don't have an existing compressed air supply, you can utilize the Kroll compressor which has been especially developed to create the necessary compressed air for our burners. Our compressors are diaphragm type (oil free), requiring very little maintenance and are also very quiet (only 70 dba max).



Model		UBK1	UBK2
		for KG/UB20P - KG/UB100	for KG/UB150 - KG/UB200
	No.	030794	033184
Air delivery	l/min	110	180
Pressure max.	bar	2.8	3.8
Electrical power consumption	A	2.2	3.3
Power consumption	W	440	520
Electrical connection	V/Hz	230/50	230/50
Length	mm	425	425
Width	mm	194	194
Height	mm	350	350
Noise level	dB(A)	68	70
Weight	kg	10	12.5

From the waste oil burner to the multi oil burner

Kroll has over 40 years of experience and development of burning oils. Initially via worldwide sales of our waste engine oil burner, warm air heaters and boilers.

Waste oil always has different consistency and quality, which was a big technical challenge, and all our experience and knowledge, has been incorporated within our universal oil burners.

Quality

Kroll adopts a certified quality management system and thus meets the requirements of DIN ISO 9001.





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