

# KG SERIES MULTI-FUEL OIL BURNER

For use with mineral, vegetable and animal oils

Minimal fuel modification required

Can be used on new and old boiler models

Uses compressed air

## The fuels and their environmental capability

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 the effect of climate change, vegetable oils have become more and more important. Their energetic density is very close to the values of heating oil.

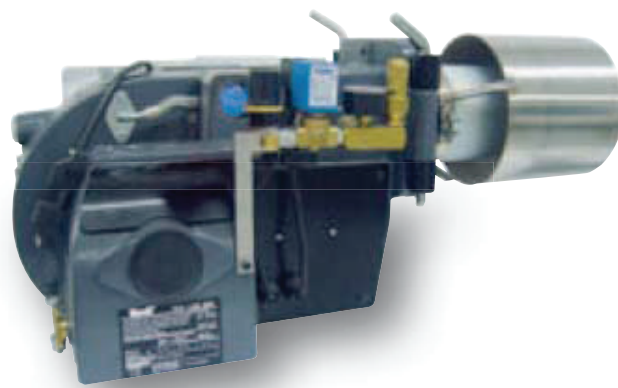
Vegetable oils are renewable, CO<sub>2</sub>- neutral and do not contain any sulphur or heavy metals.

## 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 is very cost effective.. Farmers for example, 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 Atlantic universal oil burner gives you the flexibility to choose your desired fuel based on current market prices.



KG/UB20-KG/UB200



Multi-fuel oil burner with ZVP low temperature flame cone

## 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.

## Supply with compressed air

Many industrial sites have a compressed air supply. This can be used to supply the universal oil burner with compressed air it requires.

For those who don't have an existing compressed air supply, you can utilize the 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 whisper quiet (only 52 dba max).

## Application

Warm air heaters are the most efficient way of heating commercial or industrial halls, garages productions halls warehouses etc. And especially, if this is done with a multi-fuel oil burner instead of a conventional oil or gas burner.

Heating boilers of newer or older years of construction can easily be equipped with a multi-fuel oil burner.

## TECHNICAL DATA

MODEL	KG/UB20-P	KG/UB20	KG/UB55	KG/UB70	KGUB100	KG/UB150	KG/UB200
Boiler output (kW)	14-24	25-33	43-64	60-99	71-120	84-150	130-201
Oil flow (kg/h)	1.4-2.2	2.1-2.8	3.6-5.4	5.1-8.3	6.0-10.1	7.1-12.4	10.9-16.9
Motor power (V/Hz)	230~/50	230~/50	230~/50	230~/50	230~/50	230~/50	230~/50
(W) (A)	110/0.85	110/ 0.85	110/0.85	230~/0.85	230~/0.85	250~/1.40	250~/1.40
Heating power (W)	1100	1100	1100	1100	1100	1100	1100
Mains voltage (V)	230~	230~	230~	230~	230~	230~	230~
(W)	1.210	1.210	1.210	1.210	1.210	1.350	1.350
(A)	6.0	6.0	6.0	6.0	6.0	6.4	6.4
Speed (rpm)	2800	2800	2800	2800	2800	2800	2800
Weight (kg)	15	15	15	16	16	26	26
Air Delivery l/min	110	110	110	110	110	180	180
Pressure max. bar	2.8	2.8	2.8	2.8	2.8	3.8	3.8
Electrical power consumption A	2.2	2.2	2.2	2.2	2.2	3.3	3.3
Length (mm)	440	440	440	440	440	520	520
Width (mm)	194	194	194	194	194	194	194
Height (mm)	350	350	350	350	350	350	350
Noise Level dB(A)	68	68	68	68	68	70	70
Weight kg	10	10	10	10	10	12.5	12.5

**FOR TECHNICAL HELP/ADVICE** Call 0161 621 5960  
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