



INVESTIGACIÓN Y PRODUCCIÓN S.L.

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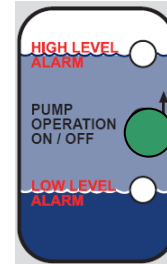
OIL UP FEEDER 88



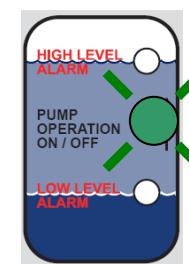
OUF 88 and OUF 88 Maxi INSTALLATION MANUAL

Display quick reference list

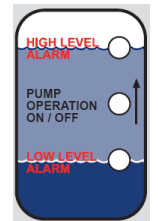
Normal Operation Status:



OUF 88 Oil Lifter is powered.
Oil in lifter reservoir arrived till stop level.
It keeps this state till low level is reached
again, or start button is pushed.

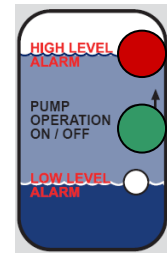


Pump filling
OUF reservoir

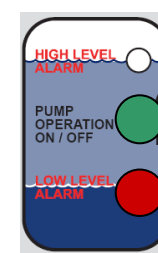


No Power Supply

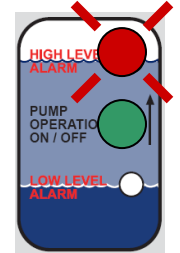
Alarm Status:



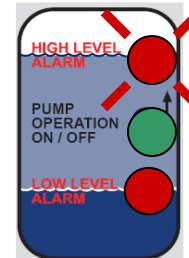
Very high level is reached



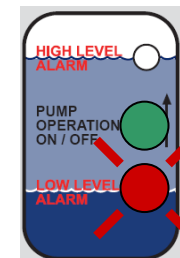
Very low level is reached



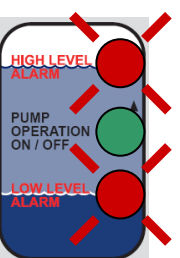
Leak detection
(optional)



Leak detection (optional)
Combined with low level alarm

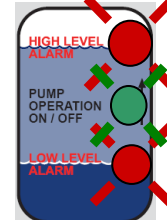


No oil Safety Stop:
Activated after 1 hour
approx. running without oil



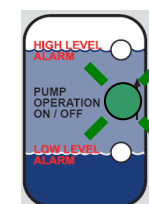
No level probe is detected

Other Status:

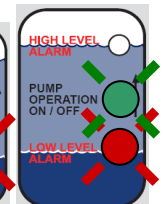
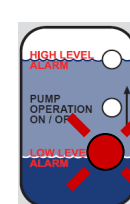


Reset Sequence

Following to an interruption to the power
automatically starts within 3 seconds.



x 5...



Automatic Start Mode facility

To enter, keep pressing start button during
5 green led blinks (5 sec approx)

Accessories:

Oil tray with leak detection system

An oil tray with an infrared leak detection system is available for your OUF.

This optional oil tray is strongly recommended, particularly in the event that the overflow pipe is not connected.

In some regions, the use of the oil tray can be compulsory under certain local standards. Please ask your dealer for details.



How does the leak detection system function

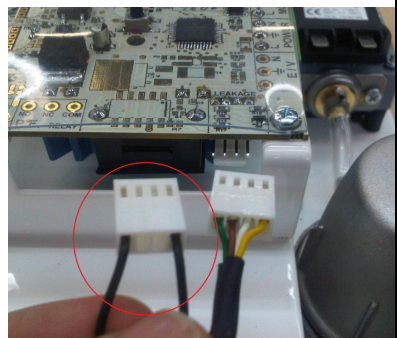
Once installed, the function of your OUF remains unchanged, except when some liquid at the infrared probe activates the system. At that moment:

- The pump stops
- The upper led "high level" starts blinking

This status will be maintained until the infrared probe is completely clean and dry again and the start button is pressed again.

Installation of the leak detection system:

- 1.- Be sure that the OUF88 unit is not powered
- 2.- Extract the jumper at the circuit on the lower side
- 3.- Connect the probe connector
- 4.- Place the infrared sensor in the blue clip in the oil tray, at the lowest possible position
- 5.- Extract the yellow cap at overflow outlet



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OUF 88 INSTALLATION

☛ **Installation must be in accordance with BS 5410 + any local building regulations**

1/ Connect the suction line from the main tank to the 'inlet' and the supply pipe ('gravity fed') to the appliance to the outlet. Connect the overflow facility(*).

2/ Connect the OUF 88 to the mains supply either through a plug (not included) or fused electric spur (see attached wiring diagram).

The mains supply cable has to pass through the access hole to the back part of the mounting plate

Once powered up the low level led light will come on.

3/ To start the OUF automatic operation, press and keep pressed the start button, which will start the pump, filling the OUF 88 reservoir, until the Low Level lamp turns off.

The pump may be noisy initially until the fuel starts coming through to the pump.

Automatic start mode: If you keep pressed the start button during the 5 seconds just after the power supply is connected to your pump, you enter in a special programmed mode which keeps triggered the start button till automatic mode is reached (low level, so the pump continues filling OUF reservoir till high level). You will identify if you are under this mode because the 2 lower leds keep flashing intermittently. See details at page 10

Once reached the low level, you can release the start button, because the OUF works in automatic mode.

4/ Once the oil has filled the OUF 88 reservoir to the programmed maximum level (80% approx), the working level switch will stop the pump.

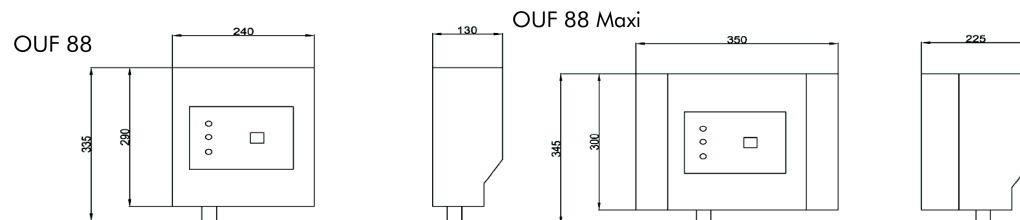
5/ The OUF is now ready for use and the appliance(s) can be used. The OUF 88 will manage the fuel supply automatically.

(*) The **overflow connection** is dual purpose:

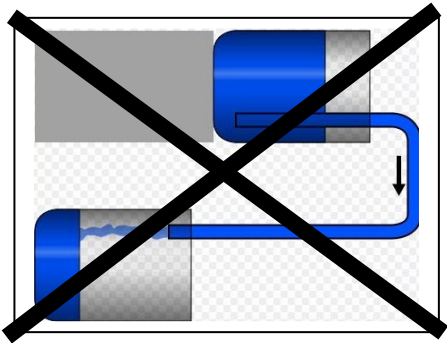
- 1) It must be connected with a return pipe to the tank as a safety feature in the event that the float switch fails. A leak detector & oil tray are available as an alternative if it is not possible to take the overflow back to the tank. The manufacturer will refuse any liability for damages at any installation without at least one these two additional safety options fitted.
- 2) It can be connected to the oil tank to allow venting of the OUF88 reservoir if it is required to be sealed to prevent unwanted smells.

OUF 88 – TECHNICAL SPECIFICATIONS

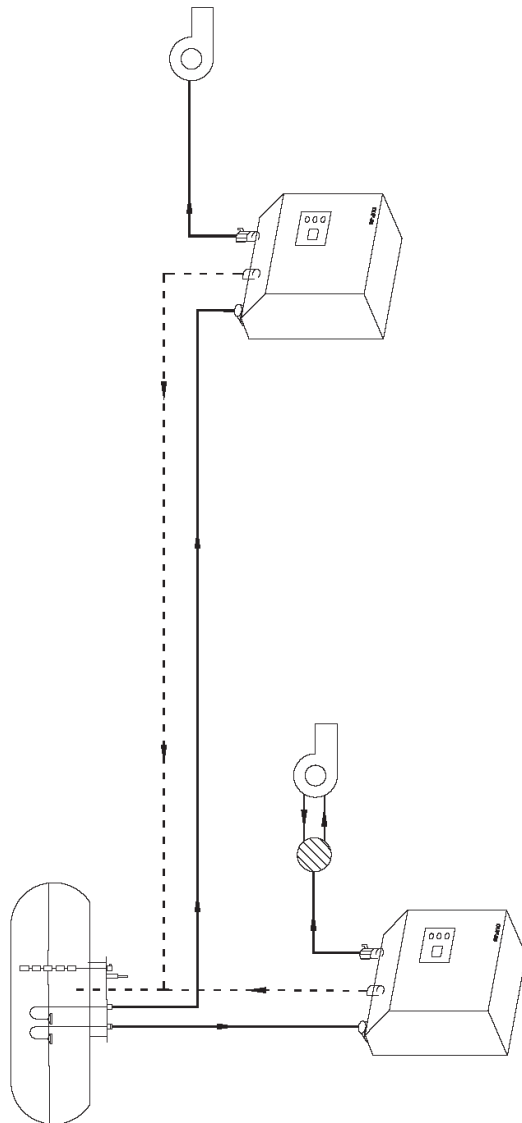
PUMP TYPE	Suction Solenoid Pump		
LIFTING HEIGHT (MAX.)	8 m vertical (8 mm I.D. tube)		
MÁX. HORIZONTAL DISTANCE	100 m horizontal (8 mm I.D.. tube)		
OUTLET FLOW RATING (8 mm I.D. tube)	8 L/hr at: 8 m vertical & 25 m horizontal 15 l/hr at: 5 m vertical & 25 m horizontal		
INLET CONNECTION	3/8 " F BSP		
OUTLET CONNECTION	3/8 " F BSP		
OVERFLOW OUTLET CONNECTION	½ " F BSP		
POWER SUPPLY	AC 230V, 50Hz		
POWER CONSUMPTION	50 W		
RESERVOIR TOTAL CAPACITY	3,5 Litre.	12 Litre	
	OUF 88	OUF 88 MAXI	
DIMENSIONS:	Width:	(240 mm)	(350 mm)
	Depth:	(130 mm)	(225 mm)
	Height:	(335 mm)	(345 mm)
WEIGHT	3 kg	4 kg	
FUEL TYPE	Kerosene & Diesel Oil		



Installation examples:



Important:
For outdoor use, use a weatherproof protective cabinet for the OUF-88
Do not install below oil level at main tank, as siphoning may occur if no extra device is installed (anti siphon valve or NC solenoid valve)



If under automatic function, the noise level is not low and stable, that will mean that you have air coming inside the pump: Check suction line vacuum tightness, tube size, and distances related to suction limits of your OUF 88.

If the oil does not come up to the OUF 88:

- Check suction pipe for blockage and/or vacuum tightness.
- Is your vertical lift height lower than 8 mt?
- Check if the filter is clogged/dirty

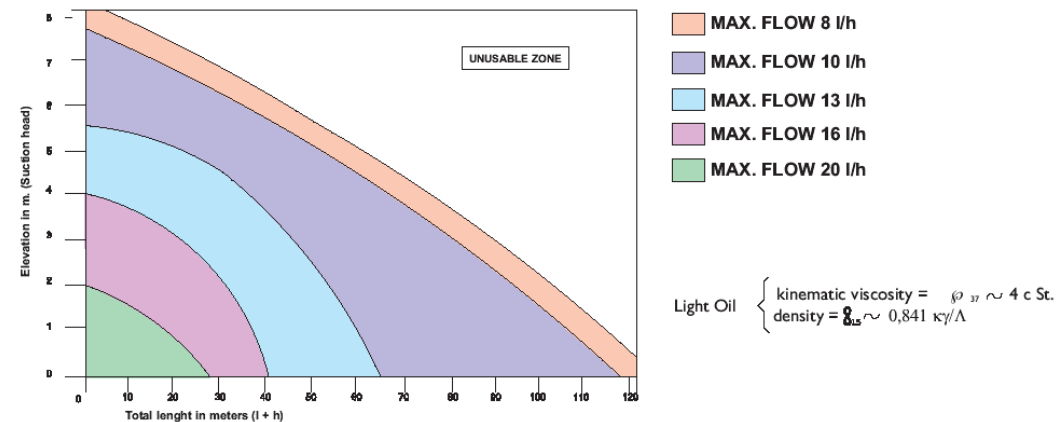
If the problem still persists:

- Check pump suction power (with a vacuum gauge or by placing your hand at the filter inlet and pressing the start button to see if you can feel suction.
- Check power supply voltage
- Prime the suction line at the OUF 88. Then switch on the pump to pull this oil through and the oil from the tank.
- Check if there is oil at main tank. After 1 hour pumping without oil, the pump will stop itself.

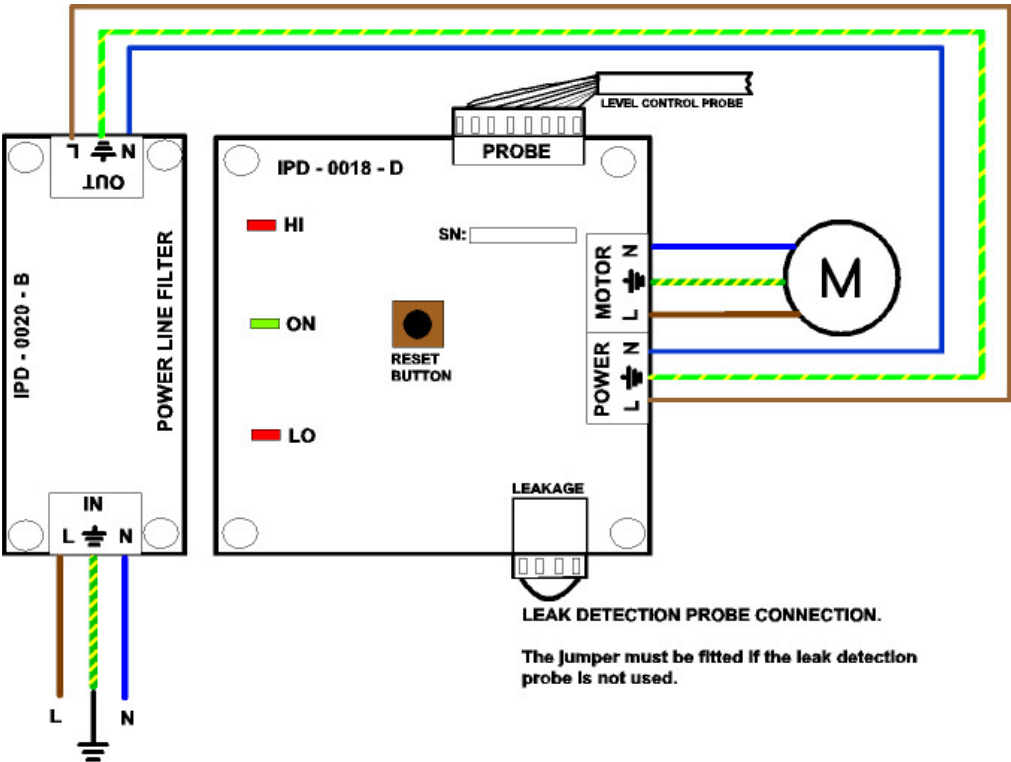
Maintenance:

- Clean regularly the filter bowl and strainer.

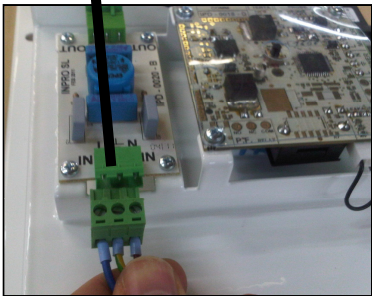
Suction curve:



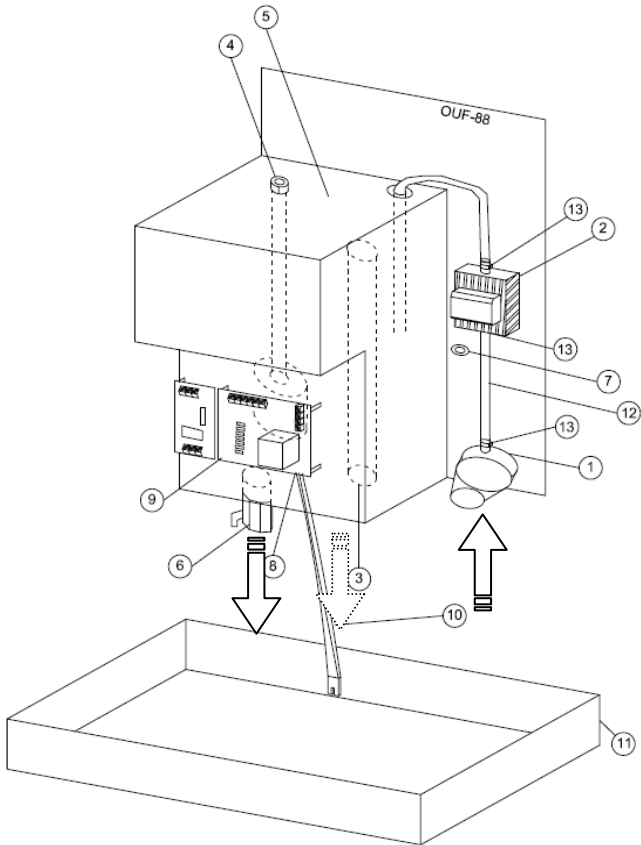
OUF 88 Wiring Diagram



POWER SUPPLY
230 V @ 50 Hz



△ **Warning:** Make sure that ground is properly connected. Not connecting it, or having a defective earthing, may start the reset sequence too often.



PART DESCRIPTION	Art. Nr.
1. FILTER 3/8 " BSP/ INLET CONNECTION	01110002004010
2. PUMP	01000000004660
3. OVERFLOW 1/2 " BSP CONNECTION	-
4. FLOAT SWITCH PROBE	23130000032010
REPLACEMENT FLOAT IN STAINLESS STEEL	00230004154135
5. OIL RESERVOIR (3 lts) or (MAXI 12 lts.))	-
6. OUTLET CONNECTION 3/8 " BSP	01050000380167
7. POWER SUPPLY ACCESS HOLE	-
8. LEAK DETECTION PROBE SYSTEM CONNECTOR	03150000034000
9.- OUF CONTROL CIRCUIT COMPLETE (Ver. D: control and filter)	23110000000310
10.- INFRARED PROBE FOR OUF 88, 350 mm long	23080000000010
11.- PROBE AND OIL TRAY 310x200x60mm FOR OUF 88	230900000001035
12.- TRANSPARENT PIPE	011200000090805
13.- 1 SIDE COMPRESSED CLIPS 7.8/9.5	05080000000208