

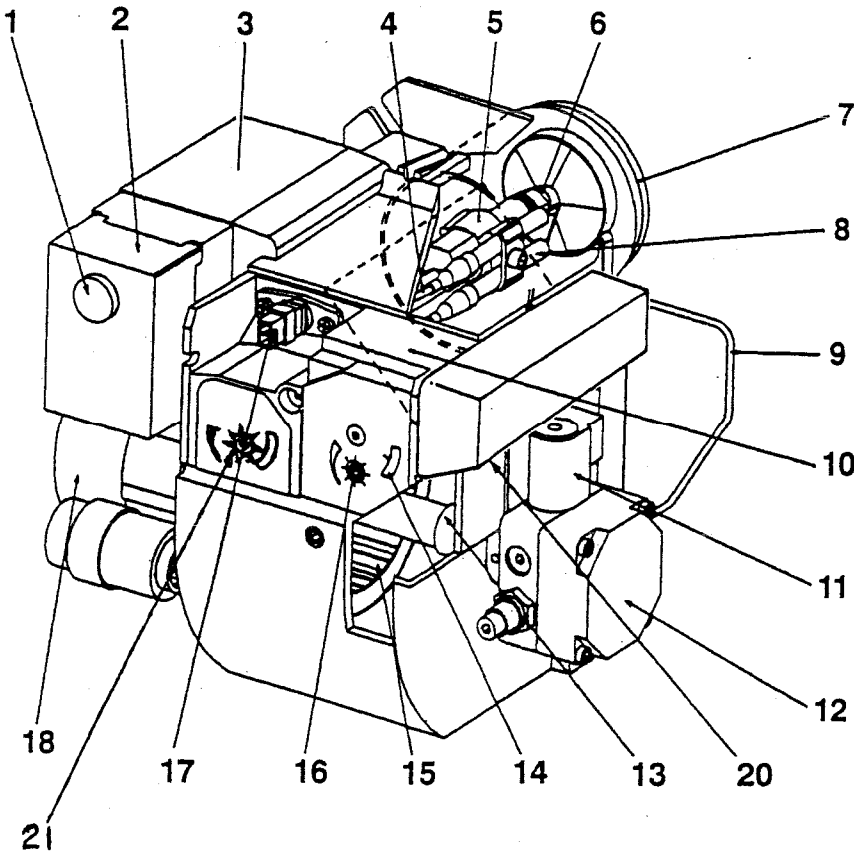
# TRIANCO

# Oil

## ELECTRO-OIL BURNER

## BURNER DETAILS

### ELECTRO OIL STERLING BURNER



### Components

- 1 Reset button
- 2 Control box
- 3 Ignition transformer
- 4 Ignition cables
- 5 Nozzle assembly
- 6 Nozzle
- 7 Combustion head
- 8 Ignition electrodes
- 9 Connecting pipe
- 10 Air damper
- 11 Solenoid valve
- 12 Pump
- 13 Drive coupling
- 14 Indication, air damper
- 15 Fan wheel
- 16 Adjustment, air damper
- 17 Photoresistor
- 18 Motor
- 20 Air intake (Bal. Flue)

21 Nozzle assembly position  
 [Factory Set]  
 setting 4 Estar 150  
 setting 15 Estar 250

### BURNER SETTINGS

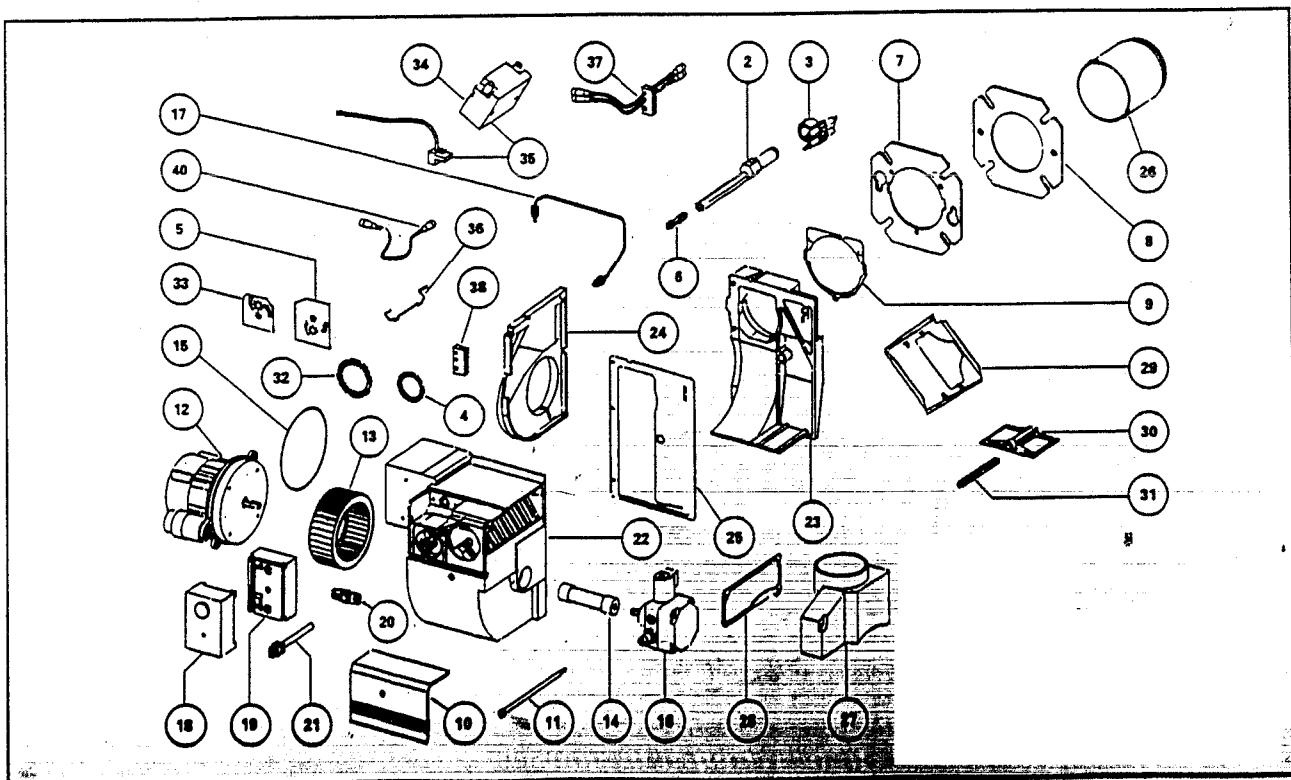
Boiler Output	Electro Oil Burner Model	Comb Head	Danfoss Nozzle USG/H	Pump Pressure P.S.I	Firing Rate mi/min	CO <sub>2</sub>	Smoke No	Flue Gas Temp. °C
150,000	Sterling 90	k 94 mm KA	1.35 60-S	130	84.5	12	0	230
240,000	Sterling 90	k 94 mm KA	2.25 60-S	120	140	12	0	230

TR0 TYPE  
 37/45 50/75

To be retained by householder

# Electro Oil Sterling Burner - Short Parts List

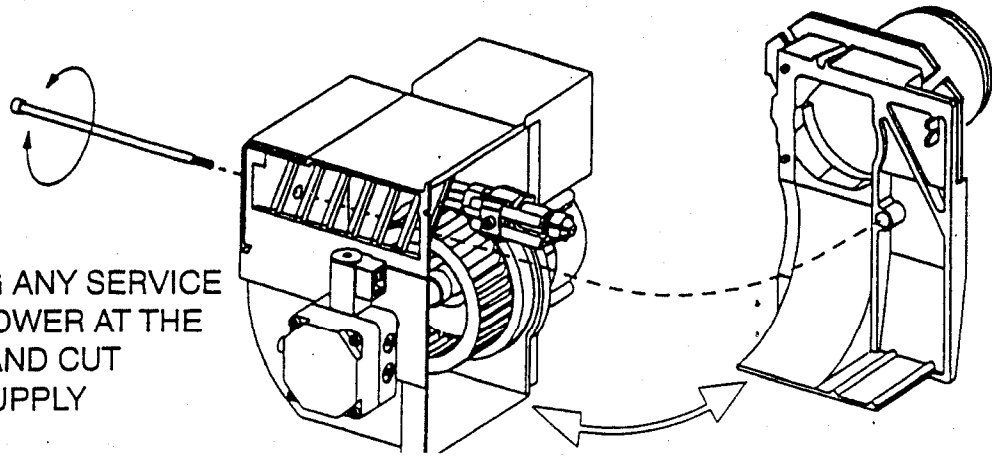
Item	Description	Part No.
2	Nozzle Line Comp.	207581
3	Electrode Holder Comp.	208382
6	Adjustment Screw Nozzle Assembly	207586
7	Fixing Flange	208801
7	Fixing Flange	208801
8	Gasket Fixing Flange	208799
9	Gasket, Fan Housing	208384
12	Motor	<b>210116</b>
13	Fan Wheel	<b>210117</b>
14	Drive Coupling Complete	207595
15	O Ring Seal	207596
16	Pump, Danfoss BFP 11L3	203081
17	Connecting Pipe Complete	207598
18	Control Box, Satronic TF830B	29064
19	Relay Base, Satronic Complete	207628
20	Flange, Photoresistor	207602
21	Photoresistor MZ 7705	207603
25	Gasket, Fan Housing	207607
26	Flame Tube Eurostar	<b>210118</b>
28	Gasket, Connecting Piece	207612
34	Transformer, Danfoss	207618
	Nozzle : <b>1.35x 60 DEG S</b>	<b>25346</b>
	Nozzle : <b>2.25x 60 DEG S</b>	<b>25426</b>



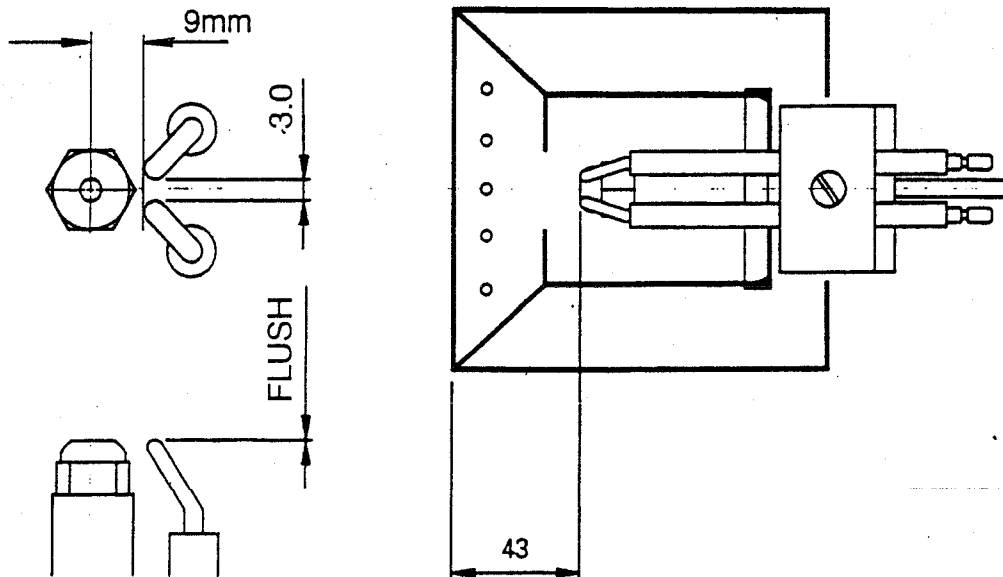
## MAINTENANCE OF OIL BURNER

### WARNING:

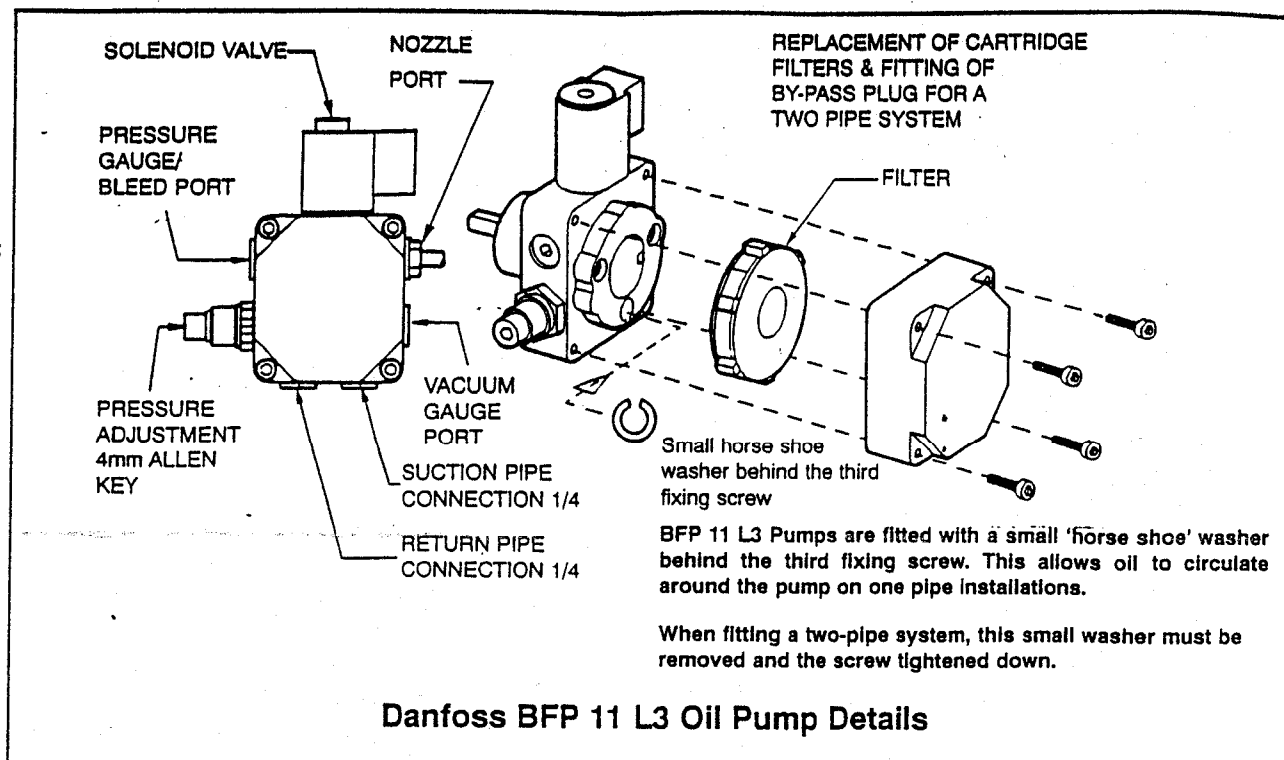
BEFORE DOING ANY SERVICE  
SWITCH OFF POWER AT THE  
MAIN SWITCH AND CUT  
OFF THE OIL SUPPLY



## SERVICING OF BURNER HEAD & NOZZLE ASSEMBLY



## STERLING BURNER HEAD DETAILS



### Servicing the burner (*Electro-Oil Sterling*)

1. Switch off the electrical supply to boiler and turn off oil.
2. Unscrew long securing bolt connecting both sections of the burner together and remove main burner sections from boiler.
3. Unscrew two flange fixing nuts and remove blast tube assembly from boiler.
4. Clean blast tube air vanes and inner and outer annular slots.
5. Fit a new nozzle with one of the same specification - do not attempt to clean or dismantle nozzle.
6. Clean ignition electrodes and check their settings. Also, examine the porcelain insulators and replace electrodes if there are cracks or signs of crazing.
7. Pull out photo-cell and clean glass face.
8. Clean deposits from impeller blades and check impeller is firmly tightened to motor shaft.
9. Check condition of flexible coupling for free play between pump and impeller - replace if necessary.
10. Clean any deposits from around air intake and shutter.
11. Remove end cap from oil pump - take out filter and wash in kerosene.
12. Check flexible oil hose(s) for oil leaks and replace if necessary with a similar 'long life' hose supplied with boiler.
13. Reassemble all parts but do not refit burner to boiler until boiler flue-ways have been cleaned.