

Fig. 4

Electro Oil Sterling Burner (End Cover Removed)

Burner Settings

Boîler	Burner Model	Comb. Head	Danfoss Nozzle USG/H	Pump Pressure P.S.I.	Firing Rate ml/min	Air Setting		CO ₂ %	Smoke No.	Flue Gas Temp. °C
						CF	BF			
EuroStar 90-110	Sterling 50	Type E	1.00 x 80° S	110	65	11	14	12.5	0	220
EuroStar 110-130	Sterling 50	Type EM	1.00 x 60° S	140	75	15	18	12.5	0	210

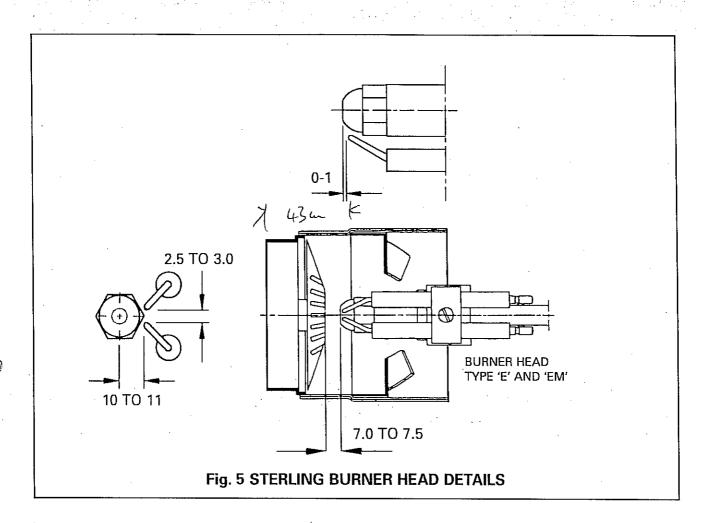
Air Adjustment

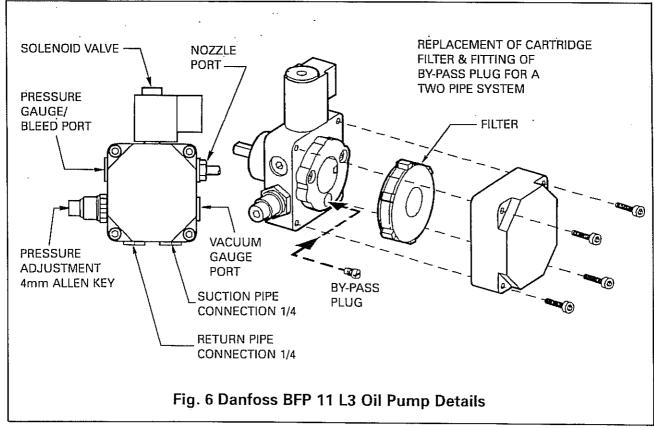
Hear off 20/11

The air damper is factory set at a nominal position to suit typical conventional flue conditions. However because of variations in flue draught it will usually be necessary to slightly adjust the air damper in order to achieve the CO₂ level indicated under 'Burner Settings'.

The adjustment can be carried out by removing the end cover from the burner and using a 4mm Allen key rotate Screw 16 – clockwise to increase air for lowering the CO₂ and anticlockwise to raise CO₂.

The air should be reduced until there is just a trace of smoke (measured with a smoke pump) then opened slightly to achieve a zero smoke reading. This provides the optimum setting.





Oil Pipe Connections

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The burner is supplied for use with a one pipe oil supply system. If used on a two pipe system, it is necessary to

fit the by-pass plug (supplied) into the pump. This requires removal of the pump end-cap and oil filter.