Metal Element Type

Annual replacement of disposable filter elements and seals are essential to protect downstream equipment. Mark the date of fitting a new cartridge on the top or body of the filter

Follow the filter manufacturer's instructions as contained within the manufacturer's replacement service kit.

Where manufacturer's instructions are no longer available the following procedure is recommended:

- Isolate the oil supply.
- Position an oil proof tray beneath the filter bowl to safely contain any drips.
- Ensuring sorbent materials are ready to hand, unscrew bowl-retaining screw and lower the bowl.
- Remove filter element from the housing, wash in clean oil, inspect condition and, if satisfactory, replace carefully. Fit new seals to the unit and reassemble bowl to the upper section of the filter. Turn on the oil supply, check that the bowl is oil tight and bleed off any air through the bleed screws on the upper section.

Air Venting

Air trapped in the top of the filter can seriously impair the performance of the burner by restricting oil flow and must therefore be removed. Most filters have vents on the inlet and the outlet side. Integrally combined filter and sight gauge units normally require opening of sight tube valve (as if to read level) to vent new filter.

6.5.3 Fire Valves (CD/11 Schedule Item 2.3)

Remote Acting Phial and Capillary

Visually inspect the valve for signs of damage and/or oil leakage at joints with the oil supply pipe. The sensor capillary should be checked throughout its length for any kinks or damage and to ensure that it is adequately supported and protected.

The correct operation of the valve should be observed using electronic test equipment. Manufacturers advice should be taken regarding the maximum acceptable valve activation temperature.

Due to the inherent frequency of risk of exposure to scalding open to technicians, OFTEC can no longer support the once common use of boiling water being used as a test medium to prove the operation of fire valves. Automatic fire valve field test equipment is available for this purpose.

For further advice on field testing methodologies please refer to manufacturers instructions.

For guidance on the installation of fire valves refer to OFTEC Technical Book 3, Section 2.