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TECHNICAL BULLETIN
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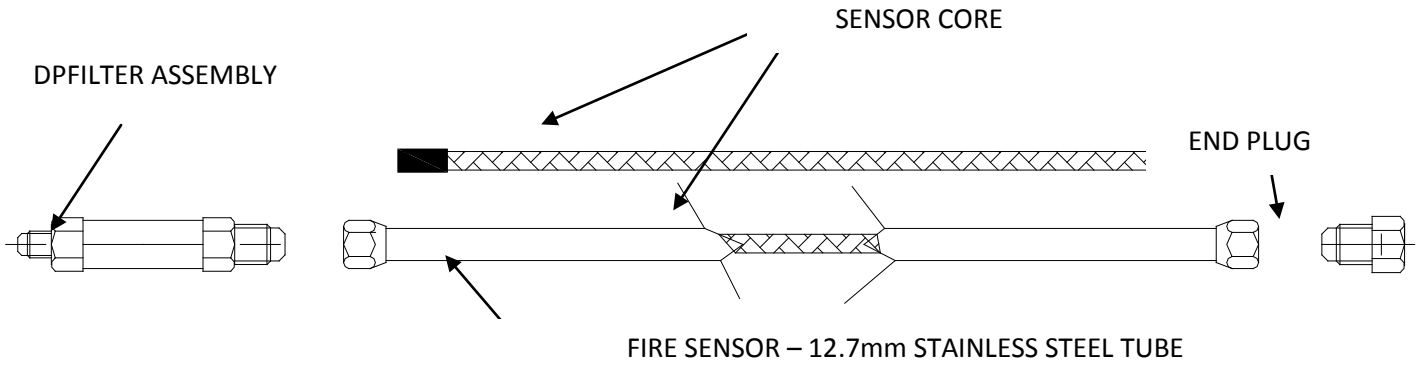
TECHNICAL BULLETIN

MAINTENANCE PROCEDURE ROP FIRE SENSOR

FIRE SENSOR

The ETI fire system is actuated when using ROP automatically when the detector/sensor is exposed to elevated heat and achieves a sustained 175-200 degrees Celsius. The ETI Fire Sensors are very versatile and very robust with an extremely low false alarm performance. In fact false alarm outside installation errors is, as yet unknown. The sensor operates the main foam agent systems and notifies the alarm system. These are provided in a range of lengths from 40 centimetres to 2 metres.



EXPLODED VIEW OF ETI FIRE SENSOR

Showing the end plug, core and the filter in place with tube cut away

REPLACEMENT

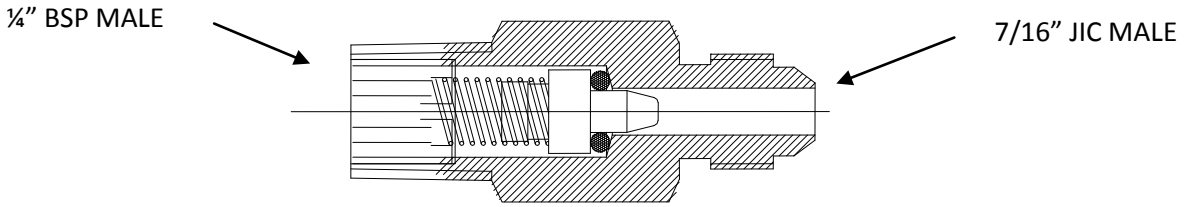
Servicing procedure. The normal replacement interval for sensor replacement is during the annual service. The **DPFILTER** must also be replaced.

CHECKVALVE

For ROP, The ETI actuation manifold function is to co-ordinate pressure changes from any actuation device, such as a sensor, or a remote manual actuator. It then transmits that change, directly to the foam agent discharge valve. It does this by virtue of check valves at all points of entry from the actuating devices for ROP systems.

Each **CHECKVALVE** is aligned to direct an actuation pulse into the manifold. The check valve then prevents that pulse being directed down the line of any other actuation device. In this way the system is fail safe; protected against the pressure pulse being lost to another actuation line which may be faulty.

It also has the effect of maintaining the maximum possible pressure in the actuation circuit, by not directing the pulse unnecessarily down the line of any other actuation device. ETI check valves are male threaded; the outlet end ¼" BSP to screw into the manifold and the inlet end is $^{7}/_{16}$" JIC to receive hose assemblies from any actuation device. This also eliminates the potential for incorrect installation.



THE ETI CHECKVALVE FOR ROP APPLICATIONS

REPLACEMENT

Servicing procedure. The check valve must be checked and tested during periodic service. The **CHECKVALVE must be replaced during annual service**.

Yours Sincerely

Bambang Isti Yudono
Technical Manager & Chief Engineer