

INSTALLATION AND MAINTENANCE INSTRUCTIONS

IMI 2.309

March 2002

FT 1550 - Ball Float Steam Trap

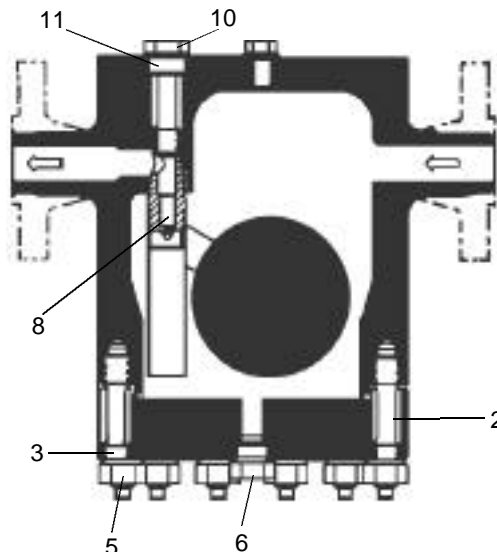
Description

The high pressure ball float trap range consists of four products, two rated PN63, one PN100 and one PN160. All are produced from carbon steel and fitted with automatic integral air venting facility (interior vent jet - for steam only). This range can also be used as a liquid drainer.

Limiting Conditions (ISO 6552)

Maximum Body Design Conditions	PN 160
PMA - Max. Allowable Pressure	1740 psig (120 barg)
TMA - Max. Allowable Temperature	752 °F (400°C)
Cold Hydraulic Test Pressure	2262 psig (156 barg)

See TIS 2.309 for full details.



Installation

The trap must be fitted so that the condensate flow corresponds with the arrows on the trap and the nameplate as indicated in the figure. If necessary support float trap in pipeline.

Maintenance

Before undertaking any maintenance on the trap, it must be isolated from both supply line and return line and any pressure allowed to safely normalise to atmosphere. the trap should then be allowed to cool. All work must be carried out by a suitably competent person. Before starting work make sure that suitable tools are available, and after maintenance ensure the system is fully functioning. It is recommended that new gaskets are used whenever maintenance is undertaken.

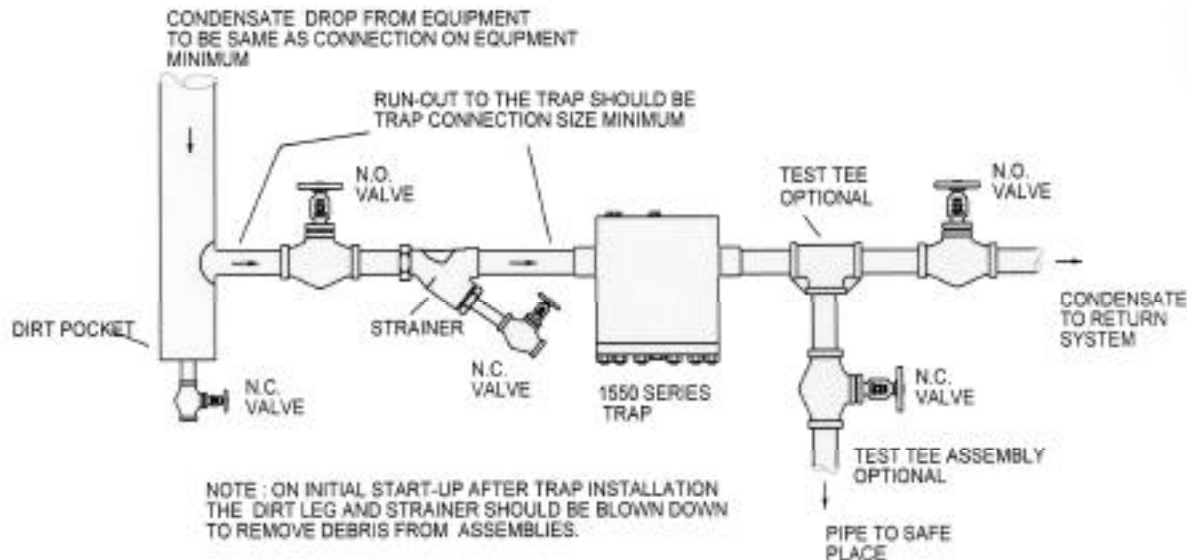
Spare Parts

Available Spares	Spares Number
Float Control Assembly	8, 10, 11
Cover Gasket	2

For additional spares consult Spirax Sarco.

How to Order

Always order spare parts by using the description given in the column headed, Available spares and state the size, model type, pressure range and float cross section of the trap.
Example: 1- Float Control Assembly for 1/2" FT 1550-80-1a.



How to Remove the Float Control Assembly

Depressurize trap, loosen hexagon nuts (5) uniformly in cross-wise fashion and remove cover. Loosen location bolt (10) and unscrew 2-3 turns, tap location bolt with mallet to loosen taper joint. Remove float control assembly.

Disassembly, Cleaning and Re-assembly of the Float Control Assembly

Remove split pin and slide out rotary valve through hole in float fork. Clean with solvent such as Perchloroethylene. Check rotary valve for wear marks, in the case of wear, the float control assembly must be replaced. To re-assemble ensure that the notch in the rotary valve (i) is in line with the punch mark on the valve body (8) and that the split pin (k) is inserted and secured properly. Check that the rotary valve moves freely i.e. the float is able to move up and down with resistance.

Assembly of the Float Control Assembly

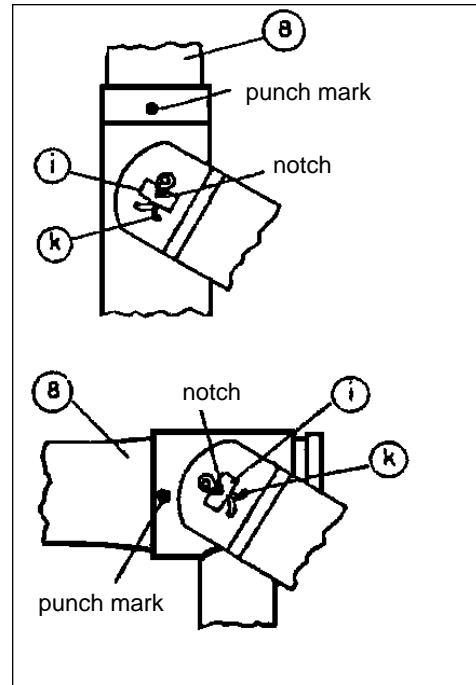
Insert the complete float control assembly into the tapered bore, ensure that the float is positioned in the centre housing. Screw location bolt with the seal (replace seal if necessary) into the thread of the float control assembly and torque tighten to 70 Nm. Check cover gasket (2) and replace if necessary. Fit cover and tighten bolts uniformly in crosswise fashion to the required torque. After 24 hours operation retighten housing bolts.

Recommended Tightening Torque's

Trap Type	Item No.	Thread Size	lb. ft
FT 1550	5	M16	52

Disposal of Product

This product is recycleable, no ecological hazard is anticipated with the disposal of this product providing due care is taken.



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