



Cert. No. LRQ 0963008

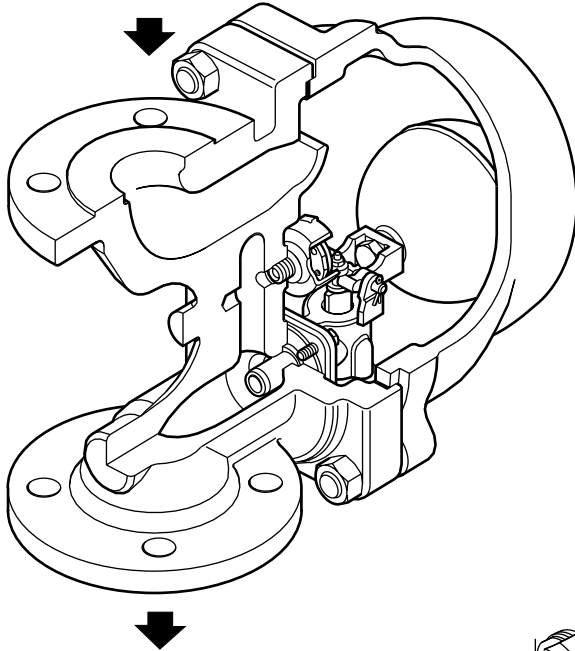
ISO 9001

spirax sarco

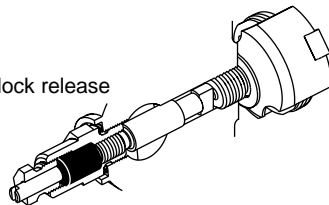
TI-P603-08
ST Issue 1

FT53 Cast Iron Ball Float Steam Trap with Flanged Connections - DIN (Spares)

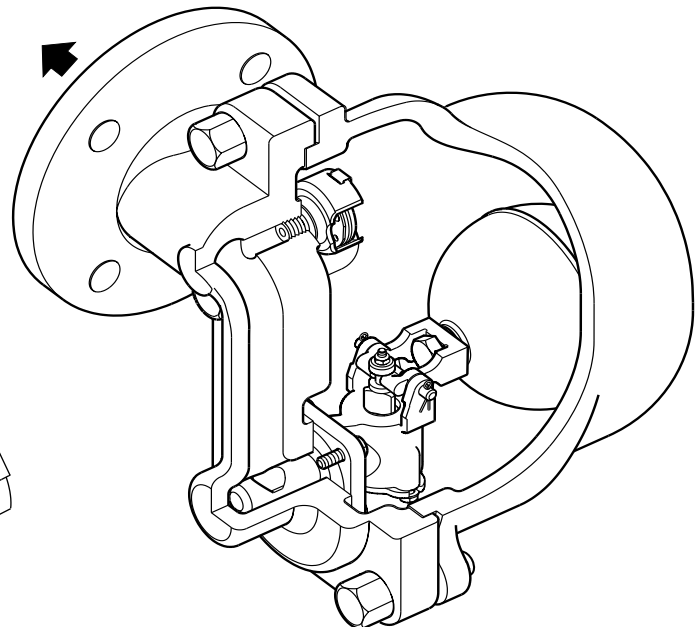
FT53V (vertical) shown



Traps having the optional steam lock release will have the nomenclature FT53V-C or FT53H-C



FT53H (horizontal) shown



General safety information

Pressure

Before attempting any maintenance on the trap, consider what is or may have been in the pipeline. Ensure that any pressure is isolated and safely vented to atmospheric pressure before attempting to maintain the steam trap. This is easily achieved by fitting Spirax Sarco depressurisation valves type DV (see separate literature for details). Do not assume that the system is depressurised even when a pressure gauge indicates zero.

Temperature

Allow time for temperature to normalise after isolation to avoid the danger of burns and consider whether protective clothing (including safety glasses) is required.

Caution: The cover gasket and main valve assembly gasket may contain a thin stainless steel support ring which may cause physical injury if it is not handled and disposed of carefully.

Installation

The trap is designed for installation with the float arm in a horizontal plane so that it rises and falls vertically, ideally with a drop leg immediately preceding the trap. Suitable isolation valves must be installed to allow for safe maintenance/replacement. Remove all protective caps prior to installation. Open isolation valves slowly and check for leaks. Where steam traps are fitted in exposed conditions, the possibility of freezing damage may be reduced by thermal insulation/draining/isolation.

Maintenance

Maintenance can be completed with the trap in the pipeline, once the safety procedures have been observed. It is recommended that new gaskets and spares are used whenever maintenance is undertaken. Ensure that the correct tools and necessary protective equipment are used at all times. When maintenance is complete open isolation valves slowly and check for leaks. See IM-P603-03 for further details.

Disposal

No ecological hazard is anticipated with the disposal of these products provided due care is taken.

Note: For further information regarding Installation, Maintenance and Safety see IM-P603-03

*Local regulations may restrict the use of this product to below the conditions quoted.
In the interests of development and improvement of the product, we reserve the right to change the specification.*

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Spare parts

The spare parts available are shown in heavy outline. Parts shown in a broken line are not supplied as spares. For further technical information see TI-P603-07.

Available spares

Main valve assembly with erosion deflector	5, 7, 10, 16
Ball float	8
Air vent assembly	17, 18, 24, 25, 26
Complete set of gaskets (packet of 3)	3, 7, 18, 20
Steam lock release and air vent assembly	17, 18, 19, 20, 21, 22, 23, 24, 25, 26

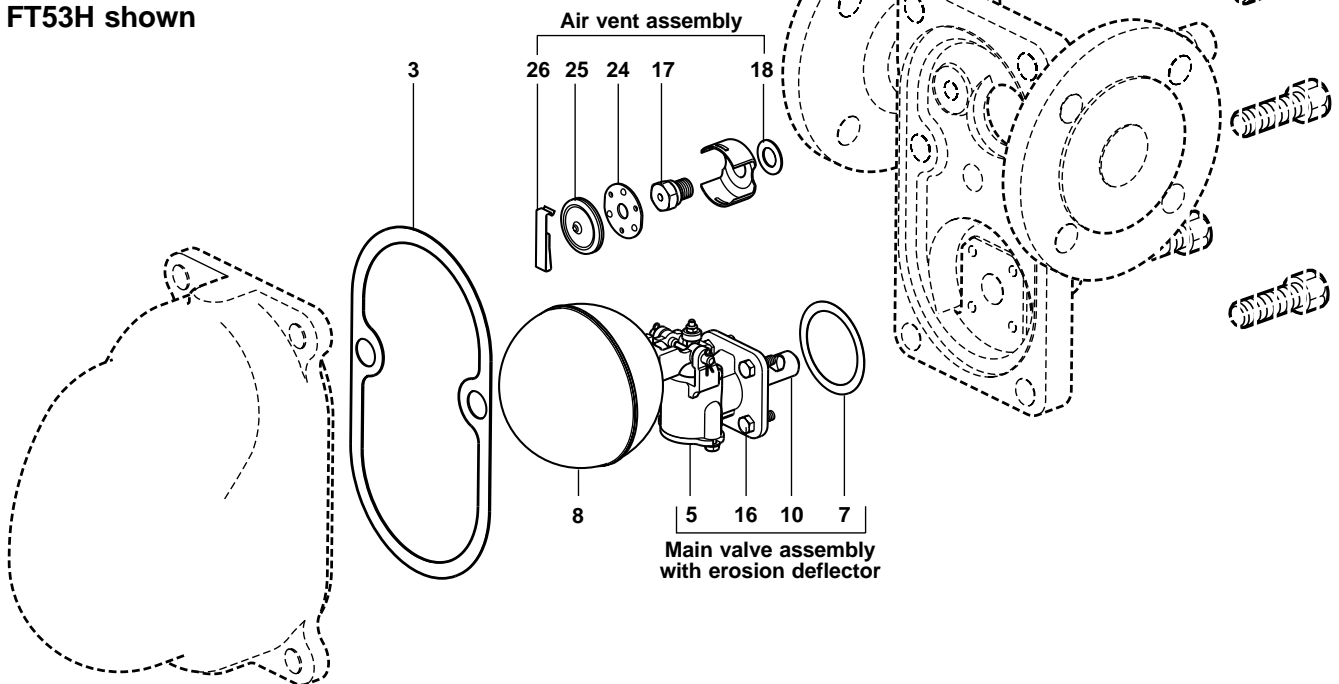
How to order spares

Always order spare parts by using the description given in the column headed 'Available spares' and state the size, Model No., orientation i.e. horizontal (H) or vertical (V) and pressure rating of the trap.



Example: 1 - Main valve assembly for a DN40 FT53H-4.5 ball float steam trap. For operating pressures up to 4.5 bar.

Note: If the product has the optional steam lock release fitted the nomenclature would be FT53H-4.5-C

FT53H shown



Recommended tightening torques

Item No.			or mm	N m	
					
4	FT53H	Bolt	24 A/F	M16 x 55	150 - 165
	FT5	Stud		M16	70 - 80
		Nut	24 A/F	M16	150 - 165
5	Valve seat		17 A/F	M12	50 - 55
16	Erosion deflector bolts		10 A/F	M6 x 10	10 - 12
17	Air vent seat		17 A/F		50 - 55
19	(SLR sub-assembly)		19 A/F		40 - 45
21	(SLR retaining nut)		13 A/F		4 - 5