

FMTLT53-Y

Forbes Marshall Tracer Line Trap with Integral Flange and Strainer

Description

The Forbes Marshall Tracer Line Trap with Integral flange and Strainer, FMTLT53-Y is a forged carbon steel maintainable balance pressure trap with integral flanged connections and has a Y-type strainer screen having 1/32" perforations.

Standard Unit FMTLT53-Y Having 'T' fill Thermopod
 Also available FMTLT53-C Having 'T' fill Thermopod and inbuilt check valve

Thermopod fill and operation

Standard Thermopod is marked with the letter "T" for operation at approximately 12°C below steam saturation temperature. Optionally, the capsule can be supplied for under cooling "U" operation at approximately 24°C below steam saturation temperature or close to saturation 'C' operation at approximately 6°C below steam temperature

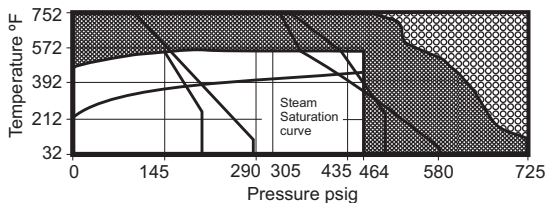
Sizes and Pipe Connections



DN15 ANSI 150, 300
 DN20 ANSI 150

Limiting Conditions

PMA-Max allowable pressure	50 bar (g) @50°C
TMA-Max. allowable temperature	400°C@35 bar(g)
PMO-Max. operating pressure	32 bar(g)
TMO-Max operating temperature	287°C
Cold hydraulic test pressure	42 bar(g)
Min Operating Temperature	0 °C

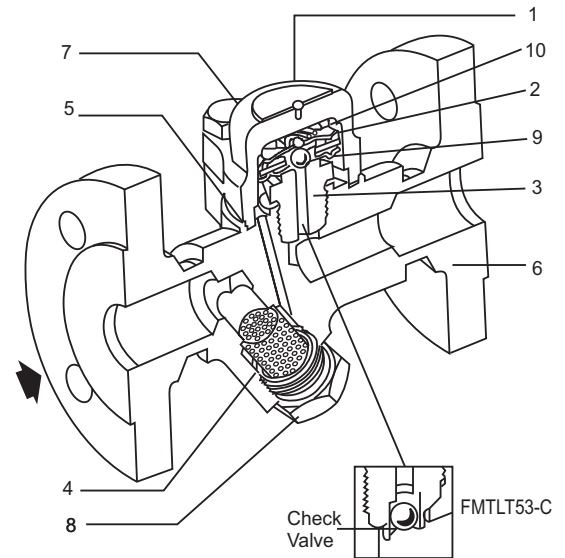
Operating Range



 The product must not be used in this region
 The product should not be used in this region or beyond its operating range as damage to the internals may occur.
 PMO Maximum Operating Pressure 464 psig

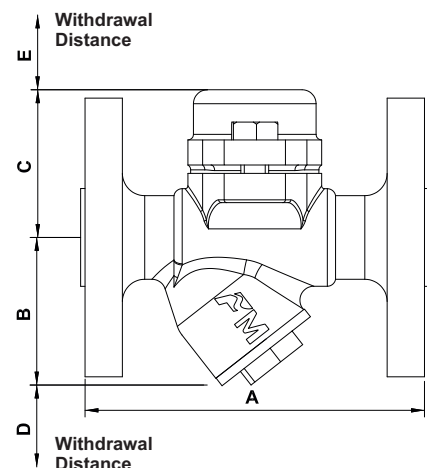
Dimensions (approx. in mm)

Size	A	B	C	D	E	Wt. (Kg)
DN15	125	57	54	30	40	7.5
DN20	125	57	54	38	40	7.5

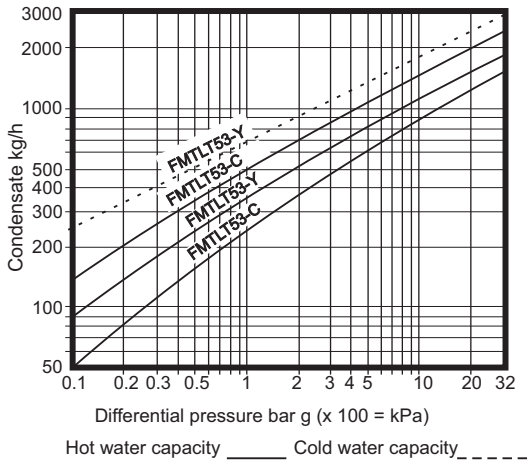


Materials

No.	Part	Material	Standard
1	Cover	Forged Carbon Steel	ASTM A105
2	Thermopod	Stainless Steel	
3	Valve Seat	St. Steel	ASTM A276, Type 431
4	Strainer Screen	St. Steel	ASTM A240, Type 304
5	Cover Gasket	Reinforced exfoliated graphite	
6	Body	Forged Carbon Steel	ASTM A105
7	Cover Bolts	Carbon Steel	ASTM A 193, B7
8	Strainer Cap	Stainless Steel	BS3146 PART2 ANC2
9	Spacer Plate	St. Steel	ASTM A240, Type 304
10	Spring	St. Steel	ASTM A276, Type 302



Capacity Chart



Installation

The trap is designed for installation with the thermopod in a horizontal plane and the cover at the top, preferably with a drop leg immediately preceding the trap. Suitable isolation valves must be installed to allow for safe maintenance and trap replacement. Remove all protective caps prior to installation. Open isolation valves slowly until normal operating conditions are achieved. Check for leaks and correct operation.

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 equipments are used at all the time. When maintenance is complete open isolation valves slowly and check for leaks.

How to Fit a New Thermopod and Seat

Remove the cover from the body by unscrewing the cover bolts. Remove the thermopod assembly and unscrew the valve seat from the body. Replace with new gasket and valve seat, and tighten to the recommended torque. Reassemble the space plate, thermopod and spring. Fit new cover gasket and retighten cover bolts evenly to the recommended torque.

How to clean or replace the strainer screen

Undo the strainer cap and remove the screen. Clean or replace as required and reassemble the strainer cap into the body, ensuring that the screen is located centrally. Using a little anti-seize compound on the threads tighten to the recommended torque.

Disposal

This product is recyclable. No ecological hazard is anticipated with the disposal of this product, provided due care is taken.

Recommended Tightening Torque

Part	Torque (Nm)
Valve Seat	25-35
Cover Bolts	35
Strainer Cap	120-135

How to order

Example: DN15 Forbes Marshall Tracer Line Trap with Integral flange and strainer, FMTLT53-Y Carbon steel body maintainable trap. Flanged Class 150 with 'T' fill Thermopod.

Spare parts

The spare parts available are shown in heavy outline in the figure below. Parts drawn in broken line are not supplied as spares.

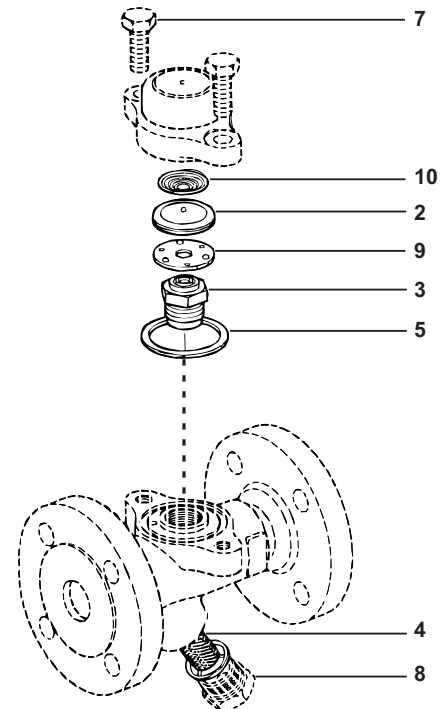
Available Spares

Thermopod and seat assembly set	2, 3, 9,10
Strainer screen and gasket kit (Packet of 3)	4, 5

How to Order Spares

Always order spares by using the description given in the column headed "Available spares" and state the trap size and Thermopod fill type.

Example Refer user manual for appropriate code numbers.



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Forbes Marshall Arca
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Forbes Solar
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