

# FMTD25

## Forbes Marshall Thermodynamic Trap

### Description

The Forbes Marshall Thermodynamic Trap, FMTD25 is a maintainable thermodynamic steam trap for use on instrument tracing or any small bore steam heating installations.

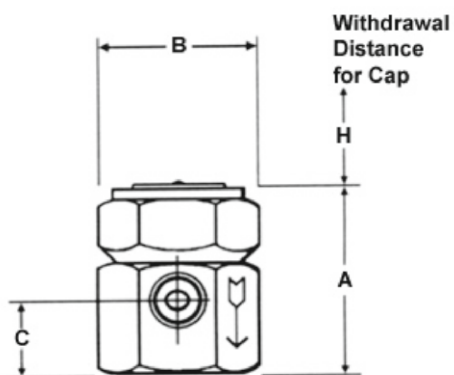
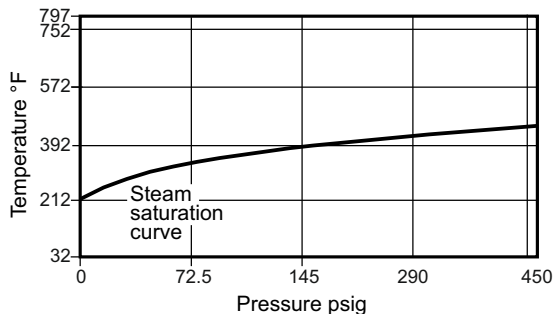
### Sizes and End Connections

1/4" NPT

### Limiting Conditions

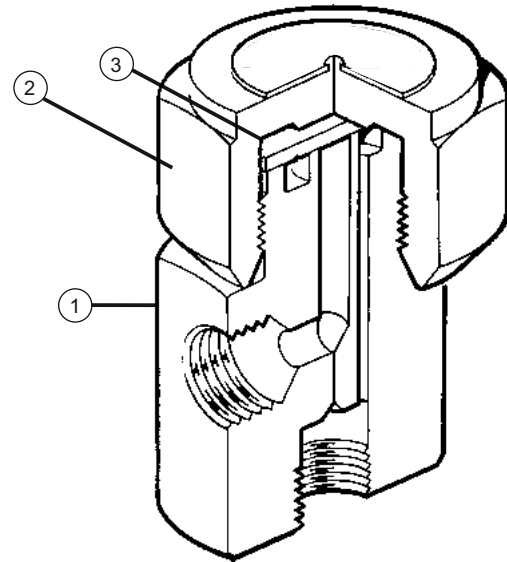
Maximum operating pressure	450 psig
Maximum operating temperature	797°F
Hydraulic test pressure	899 psig
Minimum pressure for satisfactory operation	3.6 psig operation
Maximum back pressure should not exceed 80% of upstream pressure.	
Minimum operating temperature	32°F

### Operating Range



### Dimensions (approx. in Inches)

Size	A	B	C	H	Wt. (Lbs)
1/4	2.2	1.7	0.9	1.6	0.8

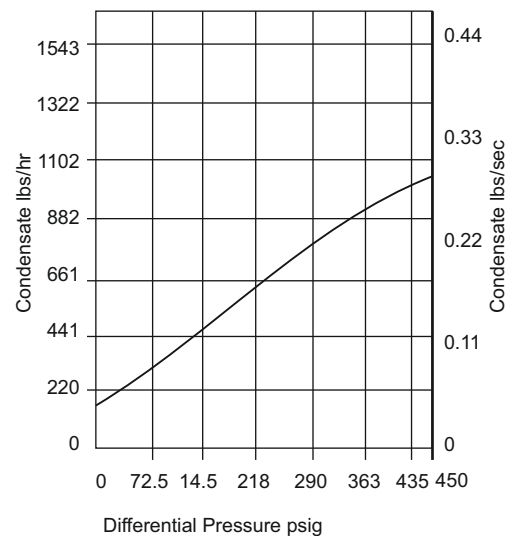


### Material

No.	Part	Material	Standard
1	Body	Stainless Steel	AISI 420
2	Cap	Stainless Steel	BS 3146 ANC2 (UNS S43100)
3	Disc	Stainless Steel	AISI 420

**Note:** Material specification in bracket are for reference only.

### Capacity Chart



### How to Order

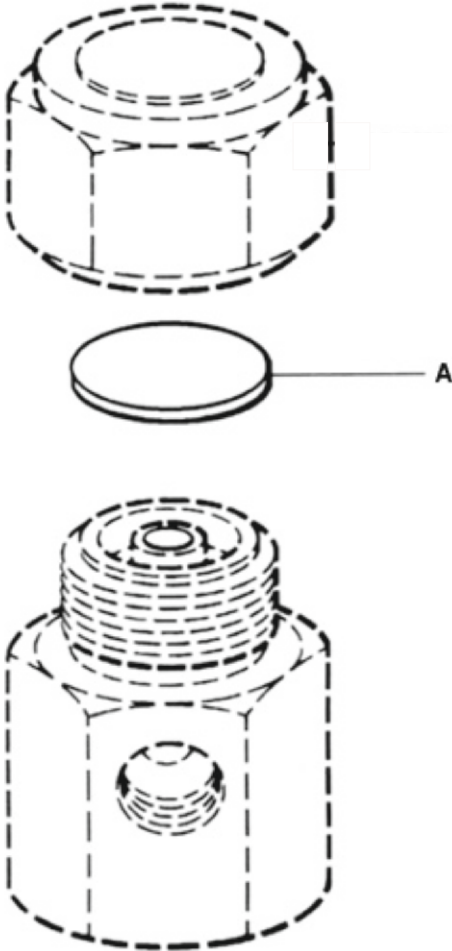
Example : 1/4" Forbes Marshall Thermodynamic Trap, FMTD25, NPT.

### Installation

Preferably fitted in a horizontal pipe but can be fitted in other positions.

### Recommended Tightening Torques

No.	A/F	Torque (ft-lbsf)
1	36mm	96-111



### How to Service

Unscrew the cap using spanner (1 7/16"). Do not use wrenches which may cause damage to the cap. If the disc and body seating faces are slightly worn, they can be lapped individually on a surface plate. A figure of 8 motion and a little fine aluminum oxide compound gives the best results. If the wear is too great to be rectified by simple lapping, the seating face on the body must be ground flat and then lapped and the disc replaced by a new one. The total amount of metal removed in this way should not exceed 0.010".

When reassembling, the disc is normally placed in position with the grooved side in contact with the body seating face. Screw on cap; no gasket is required but a high temperature anti-seize grease should be applied to the threads.

### Available Spares

Disc (packet of 5) ..... A

### How to Order Spares

Always order spares by using the description given in the column headed "Available Spares" and stating the size and type of trap.

**Example:** Disc for 1/4" Forbes Marshall Thermodynamic Trap, FMTD25 NPT.



Forbes Marshall  
Krohne Marshall  
Forbes Marshall Arca  
Codel International  
Forbes Solar  
Forbes Vyncke  
Forbes Marshall Steam Systems

Forbes Marshall USA (FM USA Inc.)  
480 South California Avenue, Unit 102  
Palo Alto, CA 94306  
P: 650-327-4227  
F: 650-327-4127

Email : [fm.northamerica@forbesmarshall.com](mailto:fm.northamerica@forbesmarshall.com)

All contents herein are the property of Forbes Marshall Private Limited ("FMPL") or Forbes Marshall Steam Systems Private Limited ("FMSSPL"), as the case may be, and having protection under the intellectual property rights. Any reproduction, distribution or disclosure without prior written permission is prohibited. Information in this document is subject to change without notice.

Forbes Marshall Canada Inc.  
2425 Matheson Blvd East, 8th Floor  
Mississauga, ON L4W 5K4  
P: 905-361-2880  
F: 905-361-6401

Forbes Marshall Pvt. Ltd.  
B-85, Phase II, Chakan Indl.  
Area, Sawardari,  
Chakan, Tal. Khed.  
Dist. Pune - 410 501, India  
Tel. 91(0)2135-393400  
[www.forbesmarshall.com](http://www.forbesmarshall.com)