

FMTD722-M Forbes Marshall Thermodynamic Trap

Description

The Forbes Marshall Thermodynamic Trap, FMTD722-M, is a maintainable high pressure thermodynamic steam trap with an integral strainer and a replaceable seat for ease of maintenance. It has low capacity and is specifically designed for superheated applications up to 3625 psig.

Sizes and Pipeline Connections

1/2" and 3/4" butt weld ends to suit schedule 160 pipe.

1/2" and 3/4" socket weld able ends to ASME (ANSI). B 16.11 Class 6000.

Note : Available with ANSI 600 and ANSI 1500 flanges on request.

Limiting Conditions

Note : If the product is used at pressure above 2465 psig werecommend regular inspection of the seatBody design conditions3625 psig

PMA Maximum allowable pressure	3625 psig @ 572°F			
TMA Maximum allowable temperature	932°F @ 1137 psig			
Minimum allowable temperature	-20°F			
PMO Maximum operating pressure	3128 psig @ 705°F			
TMO Maximum operating temperature	1022°F @ 1137 psig			
Minimum operating temperature	32°F			
PMOB Maximum operating back pressure should not exceed				
of 50% the upstream pressure				
Ainimum operating differential pressure 114 psig				
Designed for a maximum cold hydraulic	5332 psig			
test pressure				





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Material						
No.	Part	Material	Standard			
1	Body	Alloy Steel ASTM A182F 22				
2	Top Cover	Alloy Steel	ASTM A182 F 22			
3	Disc	Steel	AISI D2			
4	Seat	Steel	AISI D2			
5	Top Cover Gasket	Spirally wound	(ASME B16-20)			
		SS with exfoliated				
		graphite filler				
6	Inner seat Gasket	SS with exfoliated	ated (ASME B16-20)			
	graphite filler					
7	Cover Nuts	Steel	ASTM A194 Gr. 4			
8	Cover Studs	Steel	ASTM A193 Gr. B.16			
9	Bottom	SS with exfoliated	ed (ASME B16-20)			
		Cover Gasket	graphite filler			
10	Strainer Screen	Stainless Steel	BS 970 304 515/			
	Assembly		sintered stainless			
	,		(ASTM A276-304)			
11	Bottom Cover	Alloy Steel	ASTM A182 F22			
12	Ferrule	Stainless Steel				
Note: Material specification montioned in bracket are for reference						

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

How to Order

Example : Forbes Marshall Thermodynamic Trap, FMTD722-M, with maintainable seat, butt weld ends to suit schedule 160 pipe.

Operating Range





Spare Parts

The spares available are shown in solid outline. Parts drawn in broken line are not supplied as spares.

Available spares	
Set of cover studs and nuts	8 and 7 (pack of 8)
Strainer screen and gasket	10, 9
Set of gaskets	5 (2 nos), 6, 9 (Pack of 3)
Set of internals	3, 5 (2 Nos.), 6, 9, 10, 4+12

Recommended tightening torques:						
Item Part Or		Or	ft-lbsf			
		* inclies				
10	Spool	7/8	18-25			
8	Stud	5/8	63-66			
7	Nut	29/32	118-133			

Safety Information, Installation and Maintenance

For full details see the installation and maintenance instruction supplied with the product.

Installation Note

The FMTD722-M is designed for installation with the nameplate on top, in a horizontal pipeline. For ease of maintenance, consideration should be given to fitting isolation valves upstream and downstream of the steam trap.

After 24 hours in service the cover nuts should be checked for tightness.





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