

FMTD65BDM

Forbes Marshall Thermodynamic Trap Drain Module

Description

The Forbes Marshall Thermodynamic Trap Drain Module Model FMTD65BDM with inbuilt Strainer and full stainless steel construction with unique three port design. The three port design ensures parallel lifting of the disc and no wear and tear due to uneven seating of the disc enhancing the life of the trap. Integral blowdown valve allows online cleaning of strainer screen, is best suited for header and mainline drains. Available with FM Piston Type Stop Valves, ready to install for better Performance.

FMTD65BDM is available with ISOTUB & DIFFUSER:-
 ISOTUB an insulating cover which prevents the trap from being unduly influenced by excessive heat loss such as when subjected to low outside temperature, wind, rain etc.
 DIFFUSER reduces the problem of noise and erosion by damping high velocity discharge & it is fitted to outlet of Drain Module.

Sizes

DN 15 and DN 20

Notes

1. Available with ANSI #150 and ANSI #300 Flange at Inlet
2. Available with IBR certificate
3. Available without Diffuser also

Limiting Conditions

For ANSI #150

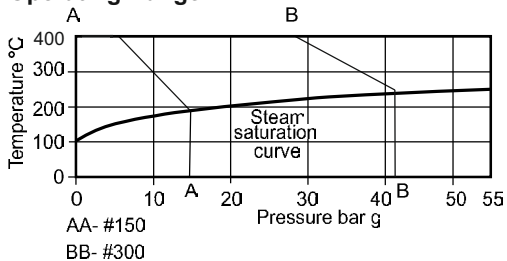
PMO Maximum operating pressure = 14.0 bar g @ 197 Deg.C
 TMO Maximum operating temperature = 400 Deg C @ 5.5 bar g
 Cold hydraulic test pressure = 21.0 bar g

For ANSI #300

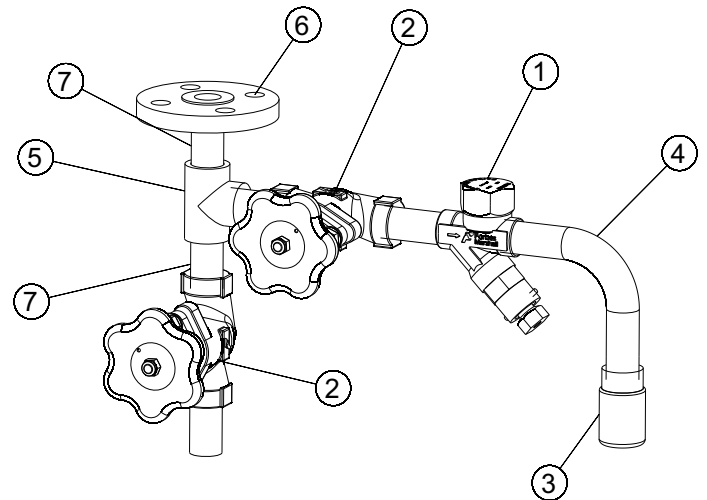
PMO Maximum operating pressure = 41.5 bar g @ 253 Deg.C
 TMO Maximum operating temperature = 400 Deg C @ 28.0 bar g
 Cold hydraulic test pressure = 62.0 bar g

Min operating temperature= 0°C

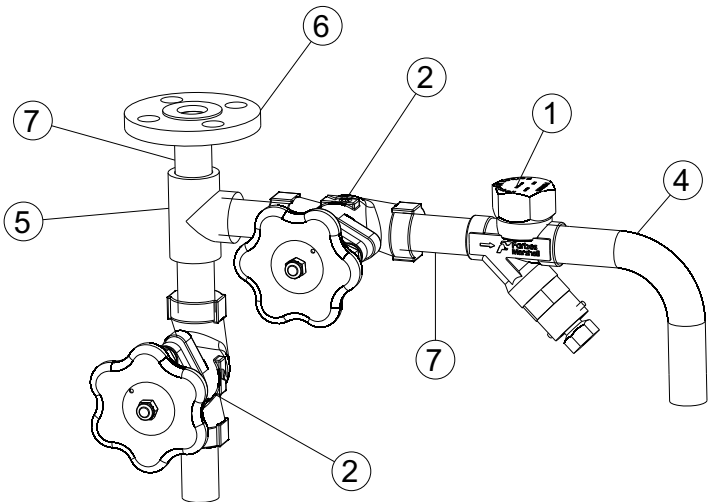
Operating Range



DN 15-20 FMTD65BDM WITH DIFFUSER



DN 15-20 FMTD65BDM WITHOUT DIFFUSER

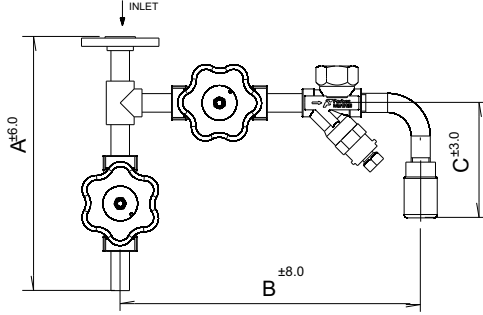


Bill of Material

Sr. No.	Description	Material	Standard
1	Thermodynamic Steam Trap FMTD65-B SWE	Stainless Still	ASTM A 743 Gr. CA 40
2	Inlet & By-Pass Piston Valve, SWE	Forged Carbon Steel	ASTM A 105N
3	Diffuser	Stainless Steel	ASTM A 213 Type 304
4	Long Radius Bend Class 3000, Scrd. BSPT, SCH-80	Carbon Steel	ASTM A106 Gr.B, SCH-80
5	Equal Tee, SWE, Class 3000	Carbon Steel	ASTM A 105
6	Flanges SWE type ANSI#150, ASME B16.5	Carbon Steel	ASTM A 105
6	Flanges SWE type ANSI#300, ASME B16.5	Carbon Steel	ASTM A 105
7	Seamless Pipe SCH. 80	Carbon Steel	ASTM A 106 Gr.B

Dimensions

a) DN 15-20 FMTD65BDM DRAIN MODULE WITH DIFFUSER



FOR ASA #150 FLANGE (All dimensions are in mm)

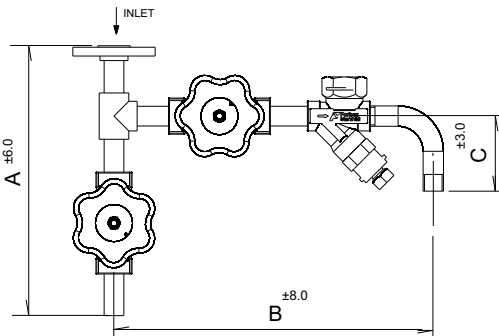
Size DN	A	B	C
15	292	345	132
20	292	376	164

FOR ASA #300 FLANGE (All dimensions are in mm)

Size DN	A	B	C
15	298	345	132
20	302	376	164

b) DN 15-20 FMTD65BDM DRAIN MODULE WITHOUT DIFFUSER FOR ASA #150 FLANGE (All dimensions are in mm)

Size DN	A	B	C
15	292	345	83
20	292	376	110



FOR ASA #300 FLANGE (All dimensions are in mm)

Size DN	A	B	C
15	298	345	83
20	302	376	110

Others products

Piston valves :- Forbes Marshall piston valves, provide perfect tightness and durable stability, in module we have 1 No. at inlet line & another in open by-pass line.

Diffuser :- Forbes Marshall diffuser is a compact unit designed to be fitted to the outlet of steam or air trap discharge to atmosphere. The diffuser reduces the noise and erosion by damping high velocity discharge.

Inter connecting piping :- Pipe : ASTM A 106 Sch. 80, Tee : SWE type class # 3000, Inlet flange : with ANSI #150 / ANSI #300

Installation

FMTD65BDM thermodynamic trap module is ready to install assemblies. The module should be installed in horizontal orientation with its bypass & outlet lines running vertically downwards.

Ensure that lines are flushed sufficiently before installing these modules.

How to order

DN 15 FMTD65BDM Drain Module with Blowdown Valve flanged to ASA #150, IBR

Spares For details of spares, please refer to individual TIS / UM of respective product in the module.



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Forbes Vyncke

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