MDT65 / MDT140 Series

MAXIMA STEAM WORKS

High Pressure
Thermodynamic Steam Trap

Robust Design
Safe Operation

MDT65


MDT140

Features	Details	Benefits
Alloy Steel Construction	• Body & cover in alloy steel i.e. WC6 for MDT65 & F22 for MDT140	• Ensures adherence to standards and safe & long life
SS Internals	• D2 material for seat & disc	• Ensures corrosion free and abrasion free long life for the Trap
Three Port Design	• Seat has three equi-spaced ports	• Ensures superior trap performance and longer life
Seat & Disc Hardening	• Specialized vacuum hardening process	• Vacuum hardening ensures uniform & precise hardening which is critical for trap performance & long life
Maintainable Trap Design	• Replaceable Seat & disc	• Maintainable seat & disc ensures easy & fast maintenance
Mirror Polished Seat & Disc	• Seat & disc are lapped and mirror polished to obtain lowest surface roughness values	• Ensures tight shut off and zero leak through the steam trap

Maxima's High Pressure Thermodynamic Steam Traps are available in two models i.e. MDT65 & MDT140. Both traps are made of alloy steel material & the internals of the traps are made of SS material, thereby ensuring long & corrosion free life. These traps are best suited for high pressure main lines & steam headers for low condensate loads.

Specifications	MDT140	MDT65
Sizes	15, 20, 25 NB	15, 20 NB
End Connections	SWE, BWE	SWE, Weld on flanged End as per requirement
Max Allowable Pressure	258 bar (g) at room temp	155 bar (g) at room temp
Max Operating Pressure	140 bar (g) at 500 Deg C	65 bar (g) at 510 Deg C
Max Allowable Temp.	550 Deg C at 78 bar (g)	510 Deg C at 65 bar (g)
Minimum Differential Pressure Required	8 bar (g) required for operating	1.5 bar (g) required for operating
Limiting Back Pressure	Should not exceed 50% of inlet pressure	Should not exceed 80% of inlet pressure

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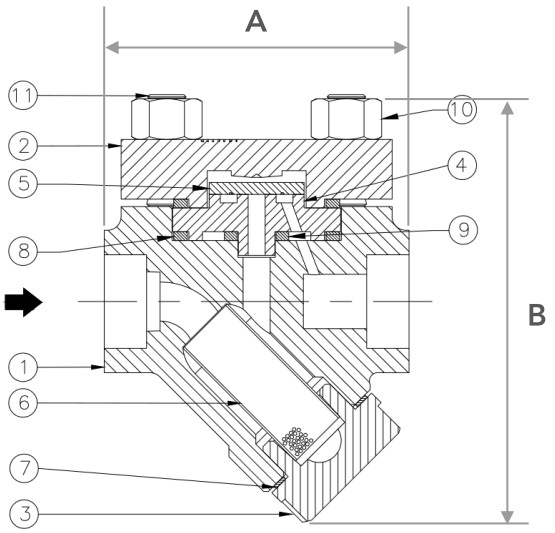
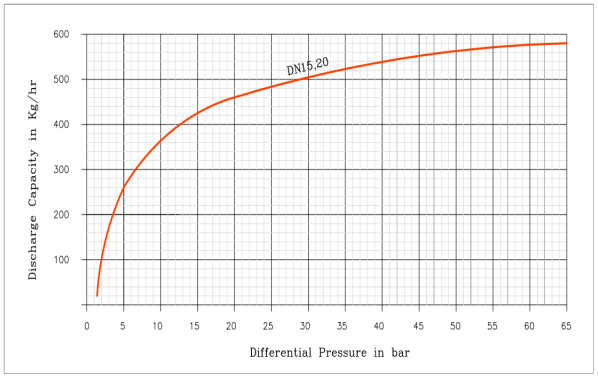
MDT65 Series



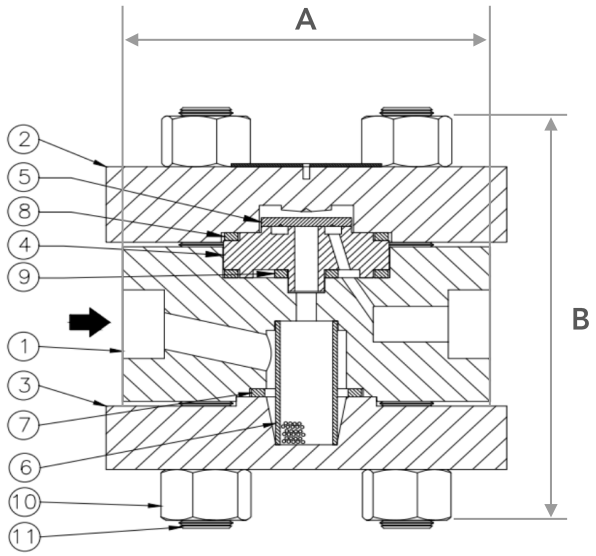
1	Body	ASTM A217 Gr. WC6
2	Cover	ASTM A217 Gr. WC6
3	Screen Cover	ASTM A217 Gr. WC6
4	Disc Seat	ASTM A681 Gr. D2
5	Disc	ASTM A681 Gr. D2
6	Screen	AISI 304
7	Screen Cover Gasket	Spiral Wound Graphite Gasket with AISI 304
8	Seat Gasket Outer	
9	Seat Gasket Inner	
10	Hex Nut	ASTM A194 Gr. 7
11	Stud	ASTM A193 Gr. B16

Size	A	B	Wt
DN15, DN20	90 mm	125 mm	2.7 kg

Discharge Capacity Chart

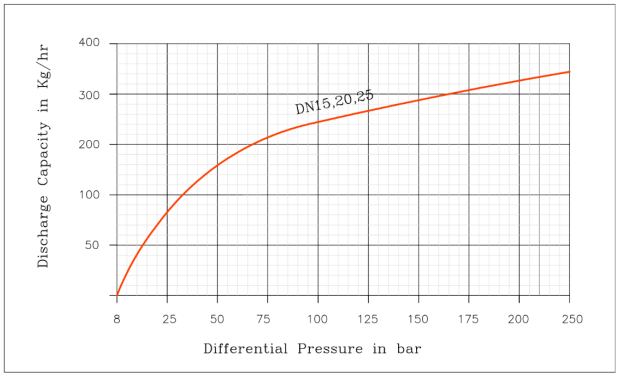


MDT140 Series



1	Body	ASTM A182 F22 CL3
2	Cover	ASTM A182 F22 CL3
3	Screen Cover	ASTM A182 F22 CL3
4	Disc Seat	ASTM A681 Gr. D2
5	Disc	ASTM A681 Gr. D2
6	Screen	AISI 304
7	Screen Cover Gasket	Spiral Wound Graphite Gasket with AISI 304
8	Seat Gasket Outer	
9	Seat Gasket Inner	
10	Hex Nut	ASTM A194 Gr. 7
11	Stud	ASTM A193 Gr. B16

Size	A	B	Wt
DN15, DN20, DN25	110 mm	131 mm	8.1 kg



Discharge Capacity Chart

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