

THERMODYNAMIC DISC TRAP WITH THERMOSTATIC AIR VENT

Description

The **TDX46** thermodynamic steam trap has been specifically

Designed for low capacity applications up to 46 bar.

TDX46 benefits:

- Integral strainer.
- Integral air vent.
- Insulation cap.
- Replaceable seat to ease maintenance.

Applicable Codes and Standards:

Performance testing per ANSI/ASME PTC-39.1.

End connections per ANSI B1.20.1 for threaded ends, per ANSI B16.11 for socket welding ends.

Replaceable Module:

The replaceable module facilitates inline replacement of normal wear parts, such as the disc and seat.



Spare Parts

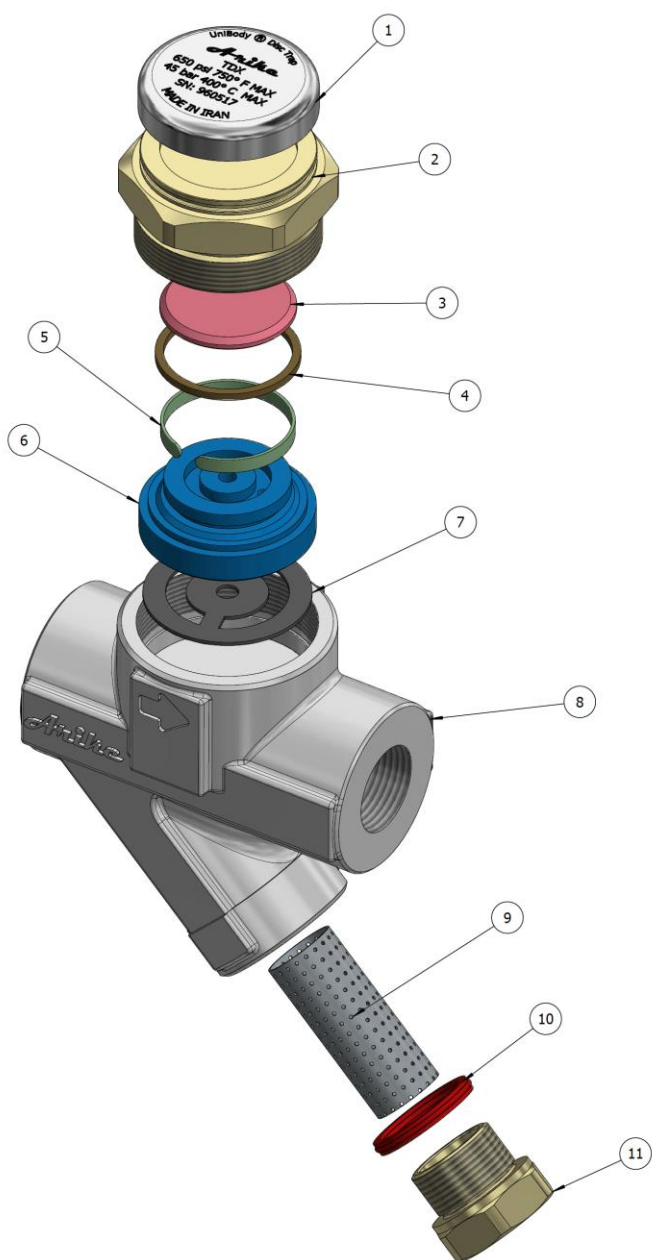
Spare Parts	Item
Replaceable Module	1,2,3,4,5,6
Seat Gasket , Seat	6,7
Disc	3
Strainer	9
Cap Gasket	10

Parts/ Material

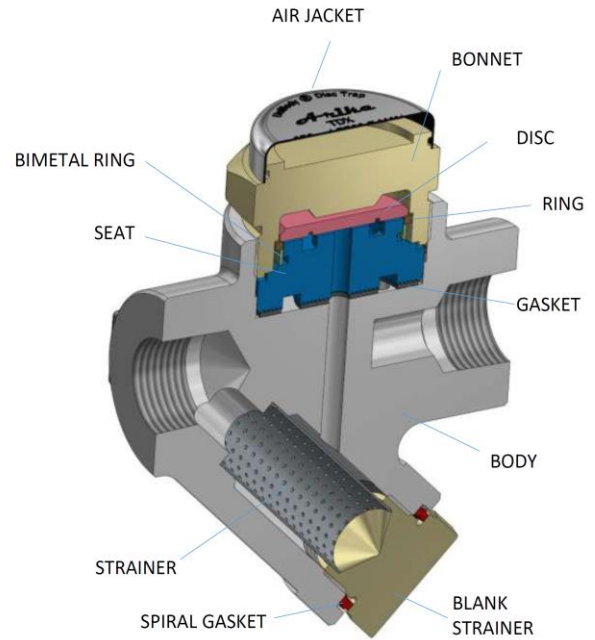
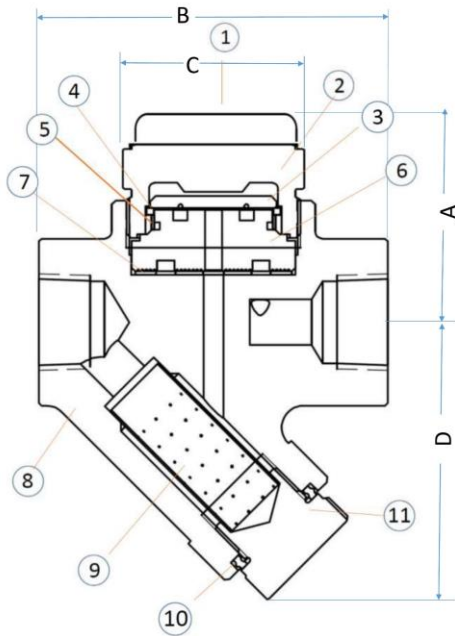
Item	Part	Material
1	Air Jacket	Stainless steel 304
2	Bonnet	Stainless steel 420
3	Disc	Stainless steel 420 HT
4	Ring	Stainless steel 420
5	Bimetal Ring	Bimetal
6	Seat	Stainless steel 420 HT
7	Gasket	Graphite /Stainless steel
8	Body	ASTM A105
9	Strainer	Stainless steel 316
10	Spiral Gasket	Graphite /Stainless steel
11	Blank Strainer	Stainless steel 304

Speification

Body design conditions	PN100 and ASME Class 600
PMA Maximum allowable pressure	100 bar g @ 50°C
TMA Maximum allowable temperature	450°C @ 58.3 bar g
Minimum allowable temperature	-50°C
PMO Maximum operating pressure	46 bar g
TMO Maximum operating temperature	450°C @ 46 bar g
PMOB Maximum operating backpressure	is 80% of the upstream pressure
Designed for a maximum cold hydraulic test pressure of 150 bar g	



Consulting and Engineering service

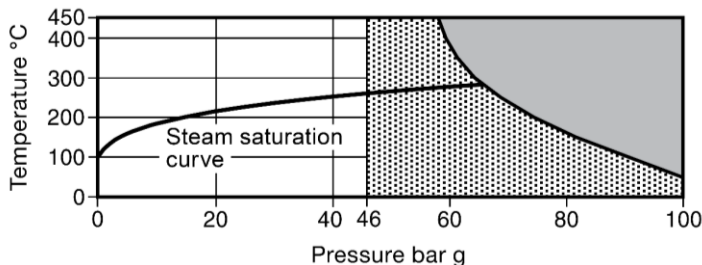


Size	A	B		C	D	Weights	
		Screwed	Socket weld			Screwed	Socket weld
1/2" DN15	58	78	92	50	59	1.38	1.49
3/4" DN20	61	95	92	50	63	1.64	1.64
1" DN25	65	95	92	50	67	1.90	1.90

**Tightening torques
(Installation Instructions)**

Item	Part	Torque(n.m)
2	Bonnet	250-270
11	Blank	50

Pressure / Temperature limits



- The product **must not** be used in this region.
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Discharge Capacity

