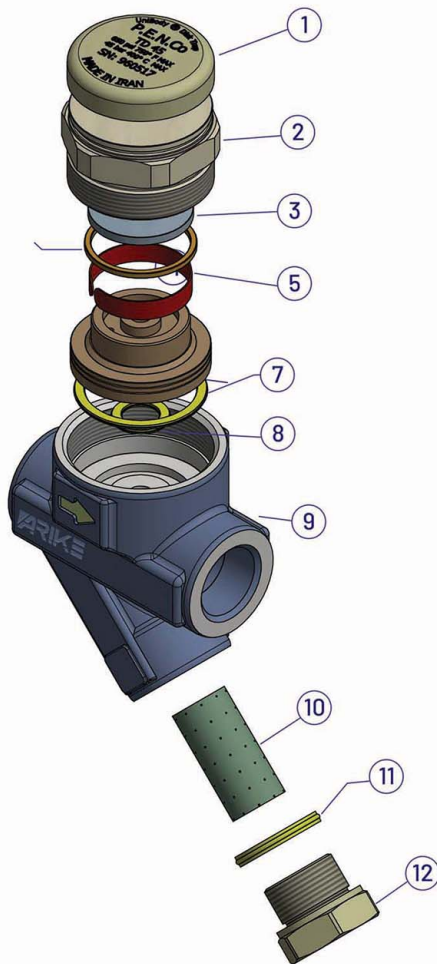


Thermodynamic DiscTrap With Thermostatic AirVent

• Features

- 1-Inline Replaceable valve module.
- 2-Air jacketing reduces no-load cycling.
- 3- Built-in screen for trouble-free service.
- 4-Bimetal ring provides quick thermostatic air venting.
- 5- Hardened stainless steel working surfaces.



• Spare Parts

Item	Item
Replaceable Module	1,2,3,4,5,6
Seat Gasket, Seat	6,7,8
Disc	3
Screen	10
Cap Gasket	11

• Tightening torques (Installation Instructions)

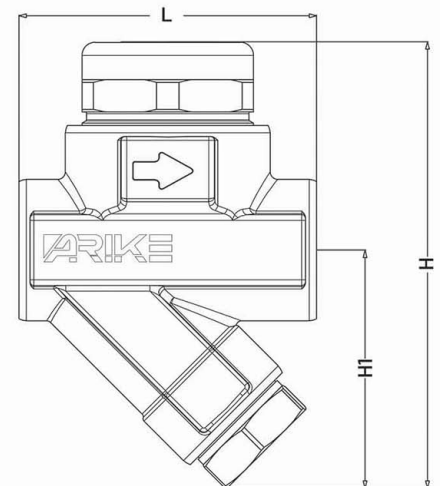
Item	Part	Torque(n.m)
2	Bonnet	250
12	Blank	50

• 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.
BS EN 26948:1991

• Construction

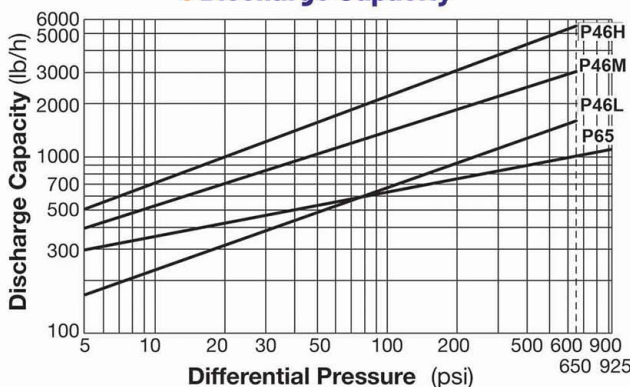
Model	TDL46
Body Material	Carbon Steel (A105)
Connection	Flanged S.Welded Screwed
Size (mm)	15, 20, 25 (1/2" 3/4" 1")
Max. Operating Press.(MPaG) PMO	4.6
Min. Operating Press. (MPaG)	0.03
Max. Operating Temp.(°C) TMO	425
Max. Allowable Press. (MPaG) PMA	8.2 @ 40 °C
Max. Allowable Temp. (Temp°C) TMA	425 @ 5.0 MpaG
Max. Back Pressure	80% of inlet Pressure



• TDL46 -Thermodynamic Steam Trap

Trap Size	Dimensions. [mm]	Weight(kg)
In DN	L H H1	TDL 45
1/2" 15	80 120 62	1,2
3/4" 20	88 125(129) 62	1,4 (1,6)
1" 25	88 125(129) 62	1,4 (1,6)

• Discharge Capacity



1. Differential pressure is the difference between the inlet and outlet pressure of the trap.
2. Recommended Safety Factor: at least 1.5

• 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	Outer Gasket	Graphite /Stainless steel
8	Inner Gasket	Graphite /Stainless steel
9	Body	ASTM A105
10	Strainer	Stainless steel 316
11	Spiral Gasket	Graphite /Stainless steel
12	Blank Strainer	Stainless steel 304