

ARIKE TDX 62 LM

Thermodynamic Steam Trap



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ARIKE THERMODYNAMIC DISC TRAP WITH THERMOSTATIC AIR

Description

The **TDX62LM** thermodynamic steam trap has been specifically

Designed for low capacity applications up to 62 bar.

TDX62LM 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.



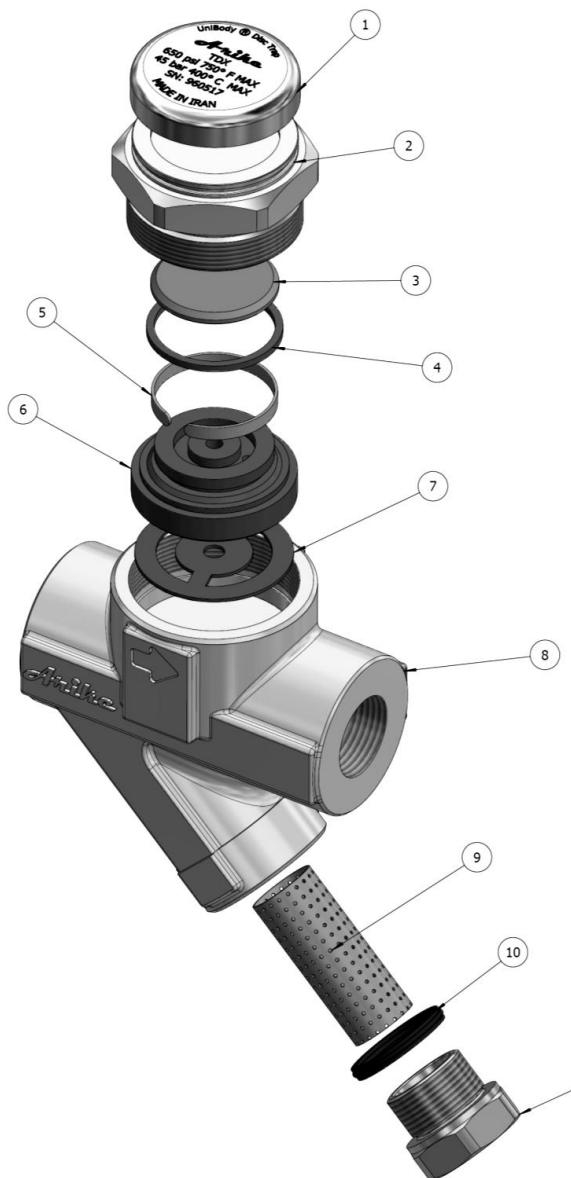
Spare Parts	Item
Replaceable Module	1,2,3,4,5,6
Seat Gasket , Seat	6,7
Disc	3
Strainer	9
Cap Gasket	10

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 304
5	Bimetal Ring	Bimetal
6	Seat	Stainless steel 420 - HT
7	Gasket	Graphite /Stainless steel
8	Body	ASTM A182 F11
9	Strainer	Stainless steel 316
10	Spiral Gasket	Graphite /Stainless steel
11	Blank Strainer	Stainless steel 420
12	Flange	ASTM A182 F11

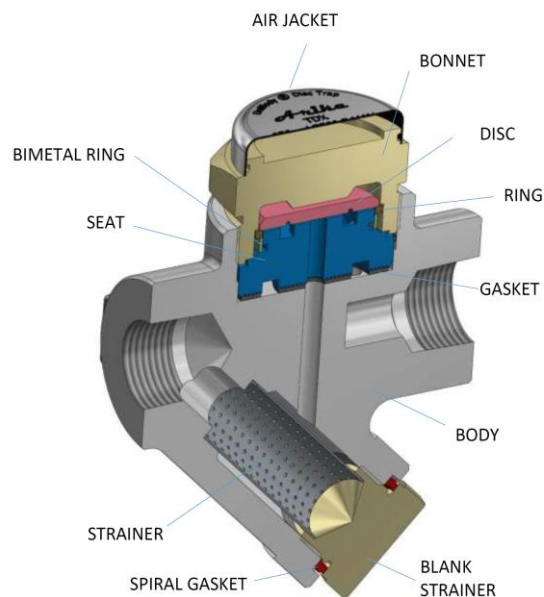
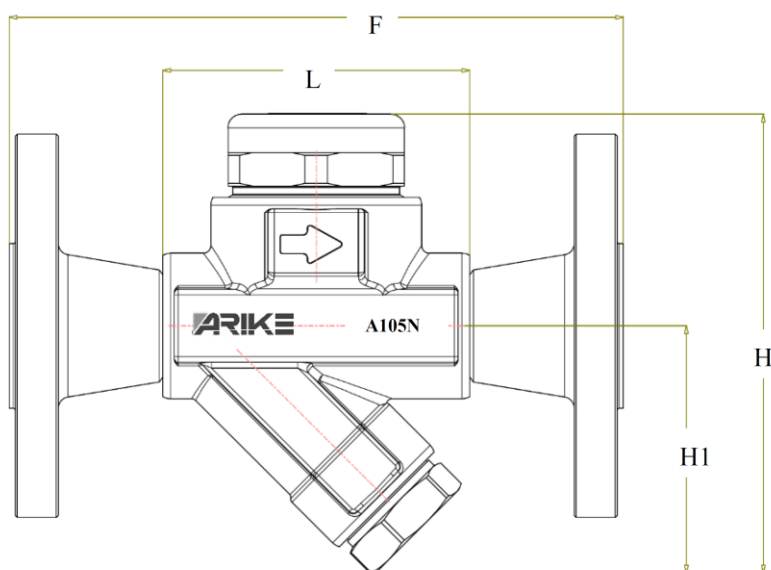
Speification TDX 62 LM

Body design conditions		ANSI 600
PMA	Maximum allowable pressure	103 bar g @ 93 °C
TMA	Maximum allowable temperature	525 °C @ 42.7 bar g
Minimum ambient temperature		-30 °C
PMO	Maximum operating pressure for steam service	62 bar g @ 482 °C
TMO	Maximum operating temperature	525 °C @ 42.7 bar g
Minimum operating temperature		0 °C
PMOB	Maximum operating pressure backpressure	80% of upstream pressure
Minimum operating pressure		1.4 bar g
Designed for a maximum cold hydraulic test pressure of		155 bar g



TDX62LM

Consulting and Engineering service



Dimensions/ Weights

TDX62 -Thermodynamic Steam Trap Flanged

Trap Size		Dimensions. [mm]				Weight(kg)
In	DN	F	L	H	H1	TDX62
3/4"	20	216	80	120	62	6.1
1/2"	15	200				7.1(8)
1"	25	230	88	125(129)		

Flange rating /Material/std./Face Finishing

CL600/ ASTM 182 f11 /ASME B16.5/RF (125-250 AARH)

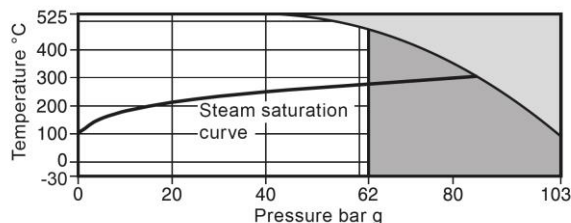
Discharge Capacity

Tightening torques

(Installation Instructions)

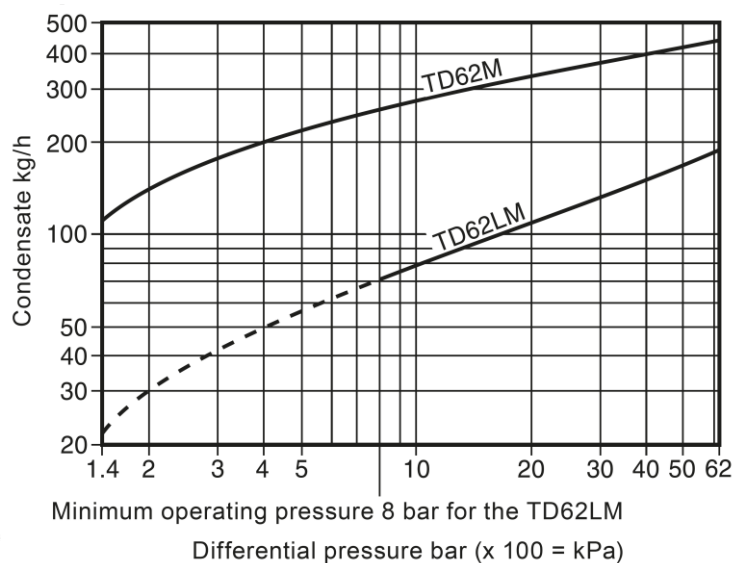
Item	Part	Torque(n.m)
2	Bonnet	250-270
11	Blank	50

Pressure / Temperature limits



The product **must not** be used in this region.

The product should not be used in this region or beyond its operating range as damage to the internals may occur.



Minimum operating pressure 8 bar for the TD62LM

Differential pressure bar (x 100 = kPa)

Arike manufactures a wide variety of Thermodynamic Traps in all pressure-and temperature ranges, and with multiple configurations to effectively drain condensate from steam mains, tracer lines and steam turbines. Select the model that fits your needs from low to supercritical pressure applications.

Model	Thermodyne		Max Allowable Temp (°C)	Operating Press. Range (bar)	Protection From Ambient temperature	Air venting	Body Material	EQUAL
Renewal capsules without removing the bodies from the line								
TDS	45		400	42	Air Jacket	--	Carbon Steel (A105)	YARWAY (USA) 711-721
	42		400	42	Air Jacket	--	ASTM A743 Gr CA 40	SPIRAX (ENGLAND) TD 42 TLV (JAPAN) P46S
Wide range of pressure discharge capacities								
TDL	P46L P46H P46M		425	46	Air Jacket	Bimetal	Carbon Steel (A105)	TLV-JAPAN P46SRN P46SRM P46SRW P65SRN
	P65		425	65				
TDX	62		550	62	Air Jacket	Bimetal	(A182 F11) Carbon Steel (A105)	SPIRAX (ENGLAND) TDS46M TD42H
	46		425	46				
	62LM		482	8-62	Air Jacket	--	ASTM A276 WC6	SPIRAX (ENGLAND) TD62
TDG	50		380	50	Air Jacket	Bimetal	Carbon Steel (A105)	DOUGLAS DC 50 (ITALIA)
Introduction for specific applications								
TDN	13		200	0.3 – 13	Steam Jacket	Bimetal	Ductile Cast Iron FCD450	TLV (JAPAN) A3N
TDY	131		400	0.3 – 40	---	--	Stainless Steel (AISI400)	YARWAY (USA) 131
Ideal for use on high-temperature / high-pressure steam mains								
TDH	120		550°C @ 80 bar	220 bar @ 374°C	---	--	A182F22	SPIRAX (ENGLAND) TD120M
	150		482	103	---	--	A182F11	YARWAY (USA) 515 D3

*connections available: S = screwed, W = socket weld, F = flanged. All Arikeh TD Models with replaceable module. Full details can be found on individual SDS.



STEAM TRAP SPECIALIST



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