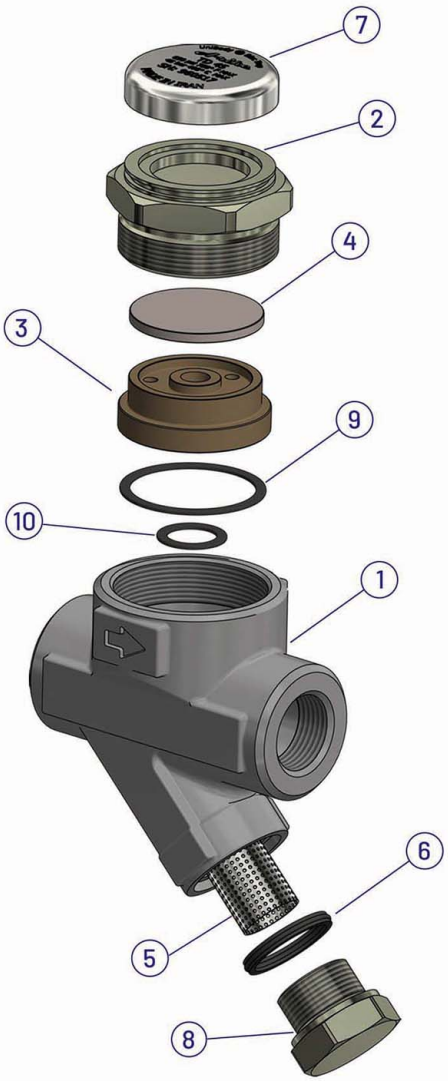
ARIKE
پتروانرژی نوین اریکه
STEAM TRAP PRODUCTION

Thermodynamic Steam Trap

Model TDG 50

Features

1- Inline Replaceable valve module.
2- Aie jacketing reduces no-load cycling.
3- Built - in screen for trouble- free service.
4- Hardened stainless steel working surfaces.



Applicable Codes and Standards:

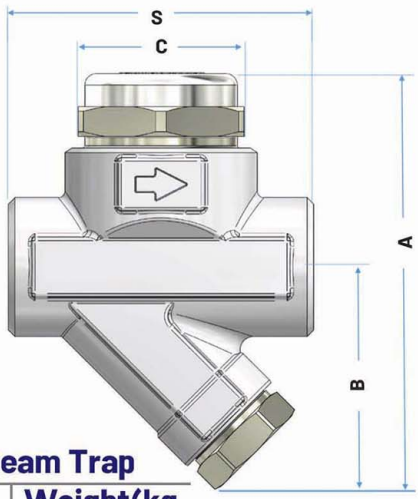
Performance testing per ANSI/ASME PTC-39.1.
End connections per ANSI B1.20.1 for threaded ends, per ANSI B16.11 for socket welding ends.
BS EN 26948:1991

Speification

Model	TDG 50
Body Material	Carbon Steel (A105)
Connection	Flanged S.WeldedScrewed
Size (in)	1/2" , 3/4" , 1"
Max. Working Press. (bar) PMO	50 bar
Min. Working Press. (bar)	0.25 bar
Max. Working Temp. (°C) TMO	350
Max .Allowable Press. (bar) PMA	100 Bar
Max .Allowable Temp. (°C) TMA	390 °C
Max. Back Pressure	75% of inlet Pressure

Tightening torques (Installation Instructions)

In	S	Torque(n.m)
2	Cover	250
8	Strainer Cap	50



TDG 50 -Thermodynamic Steam Trap

Trap Size		Dimensions. [mm]				Weight(kg
In	DN	S	A	B	C	TDG50
1/2"	15	85	108	55	48	0.8
3/4"	20	100	120	60	54	1.3
1"	25	108	130	70	62	3.4

Spare Parts

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

Parts/ Material

Item	Part	Material
2	Body	ASTM A105
3	Cover	AISI 303
4	Seat	AISI 420
5	Disc	AISI 420
6	Screen	AISI 304
7	Gasket	316/GRAPHITE
8	Insulating cap	AISI 304
9	Strainer cap	AISI 304
10	Outer Gasket	316/GRAPHITE
	Inner Gasket	316/GRAPHITE

Discharge Capacity

1. Differential pressure is the difference between the inlet and outlet pressure of the trap.
2. Recommended Safety Factor: at least 1.2 - 1.5