

# Steam Traps

## DT-800

### Thermodynamic Steam Trap

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DT-800 is a high pressure thermodynamic steam trap with integral strainer specifically designed for steam mains drainage applications. An insulating cover is fitted as standard to prevent the trap being unduly influenced by excessive heat loss when subjected to low outside temperatures, wind, rain, etc. It is designed for general drainage applications of saturated and superheated steam mains. It resists to water hammer and vibration. Instantly it responds and works with high level of performance in all pressure ranges. It ensures intermittent discharge with perfect shutoff. It can be supplied with screwed connections BSPT (BS 21) or NPT (ANSI-B1.20.1), Socket Weld end (SW) ANSI B 16.11 and Butt Weld end (BW) ANSI B16.9 - SCH. 160.



#### FEATURES

Product Family	<b>DT-800</b>
Sizes	<b>1/2", 3/4" and 1"</b>
Connections	<b>Screwed, SW, BW</b>
Body Material	<b>ASTM-A 217 Gr WC 6</b>
PMO Max. Oper. Pressure	<b>882 psig</b>
TMO Max. Oper. Temperature	<b>842 °F</b>
Min. Inlet Pressure	<b>3.56 psig</b>
Maximum Backpressure	<b>80% of Operating Pressure</b>

#### HOW TO ORDER

Specify:

- Model
- Sizes and type of connection
- Optional, if necessary

**Example:** 1 SF International Thermodynamic Steam Trap model DT-801 with 1/2" body and BSPT connections.

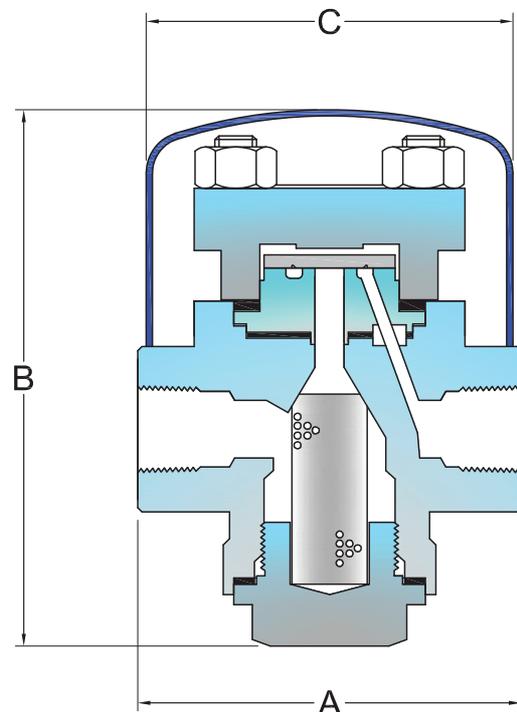
#### DIMENSIONS & WEIGHT (INCHES & POUNDS)

DN	A	B	C	Weight
1/2"	3.62	5.12	3.43	4.63
3/4"	3.62	5.12	3.43	4.63
1"	3.62	5.12	3.43	5.29

#### AVAILABLE MODELS

DT-801: Saturated Steam

DT-802: Superheated Steam



#### CAPACITY

Model	Sizes	DIFFERENTIAL PRESSURE - ΔP (psig) x Q (lb/h)													
		114	128	142	284	427	569	711	853	996	1,138	1,280	1,422	2,845	3,556
DT-800	ALL	143	165	176	243	287	309	331	353	375	397	419	441	573	617



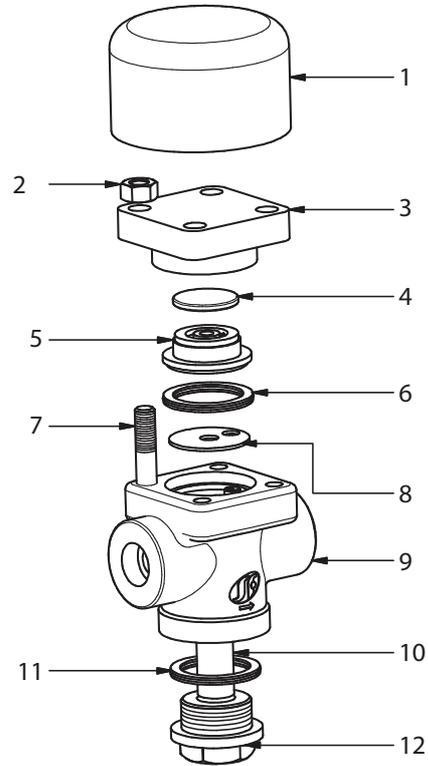
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### COMPONENTS AND MATERIALS

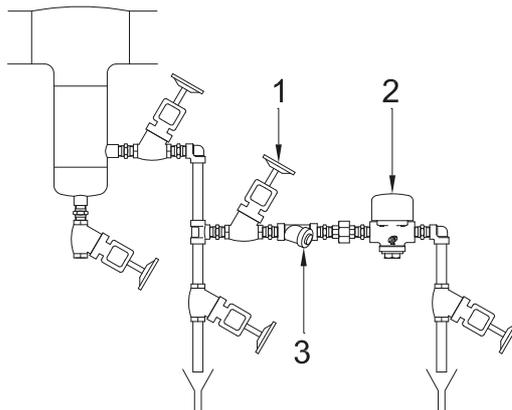
Pos.	Description	Material
1	Insulated Cover	Aluminium
2	Cover Nut	ASTM-A 194 Gr. 2H
3	Cover	ASTM-A 217 Gr. WC 6
4	Disc	Wr.1.2379 Gr. BD 2 Chrome S
5	Seat	Wr.1.2379 Gr. BD 2 Chrome S
6	Cover Gasket	Spirotallic 316 SS w Graphite
7	Stud	ASTM-A 194 Gr. 2H
8	Filter Cover Gasket	Spirotallic 316 SS w Graphite
9	Body	ASTM-A 217 Gr. WC 6
10	Filter Screen	ASTMA-A.240 316L
11	Gasket	Spirotallic 316 SS w Graphite
12	Strainer Cover	ASTM-A 217 Gr. WC 6



### HOW TO ORDER SPARE PARTS

Model	Description	Pos.	1/2"	3/4"	1"
DT801	Disc	4	2,206	2,206	2,206
	Gasket/Screen Set	10, 11	17,036	17,036	17,036
DT802	Disc	4	2,206	2,206	2,206
	Gasket/Screen Set	10, 11	17,036	17,036	17,036

### TYPICAL INSTALLATION



Title:	
1	Stop Valve
2	Steam Trap
3	Y Strainer

### INSTALLATION INSTRUCTIONS

This Steam Trap should be installed in a horizontal pipeline with the direction of flow as indicated by the arrow on the trap body.

### PRODUCT DISPOSAL

This product is totally recyclable. No ecological hazard is anticipated with the disposal of this product.

### SAFETY, INSTALLATION AND MAINTENANCE

For safety, installation and maintenance information see instructions supplied with the product (MI-0101-40).