

Steam Traps

WDT-420

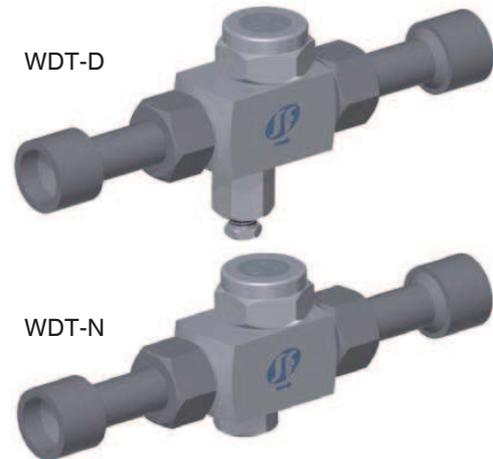
Thermodynamic Steam Trap

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WDT-420 is a thermodynamic steam trap designed to remove condensate from steam mains and for those applications where the release of air is a concern. It is manufactured in stainless steel. Its hardened stainless steel disc ensures intermittent discharge with a perfect shutoff. It is supplied with an integral strainer, which reduces the installation space and ensure long and trouble free operation. Tail pieces are prepared for Socket Weld or Butt Weld ends. Contact factory for other connection options.

N: Strainer Cap, D: Blowdown Valve.



FEATURES

Product Family	WDT
Sizes	1/2", 3/4" and 1"
Connections	SW, BW
Body Material	AISI 420 SS
Options	Insulated Cover
PMO Max. Oper. Pressure	598 psig
TMO Max. Oper. Temperature	842 °F
Min. Inlet Pressure	3.56 psig
Maximum Backpressure	80% of Operating Pressure

HOW TO ORDER

Specify:

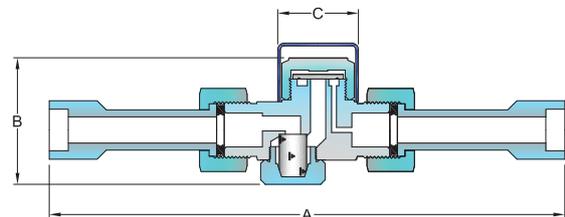
- Model
- Sizes and type of connection
- Optional, if necessary

Example: 1 SF International Thermodynamic Steam Trap model WDT-421N with 1/2" body and BSPT connections.

AVAILABLE MODELS

WDT-421N / 421D: Saturated Steam

WDT-422N / 422D: Superheated Steam



DIMENSIONS & WEIGHT (INCHES & POUNDS)

DN	A		B	C	Weight
	BW	SW			
1/2"	7.36	10.67	2.52	1.54	3.09
3/4"	8.82	12.28	2.83	1.73	3.97
1"	11.42	12.36	3.54	2.13	4.85

CAPACITY

Model	Sizes	DIFFERENTIAL PRESSURE - ΔP (psig) x Q (lb/h)											
		11	50	100	149	199	249	299	348	398	498	548	597
WDT-420	1/2"	375	617	860	1,080	1,279	1,389	1,543	1,587	1,720	1,764	1,786	1,808
WDT-420	3/4"	441	772	1,102	1,323	1,565	1,764	1,984	2,205	2,381	2,535	2,756	2,866
WDT-420	1"	661	1,301	1,764	2,205	2,590	2,866	3,153	3,461	3,704	3,968	4,233	4,519



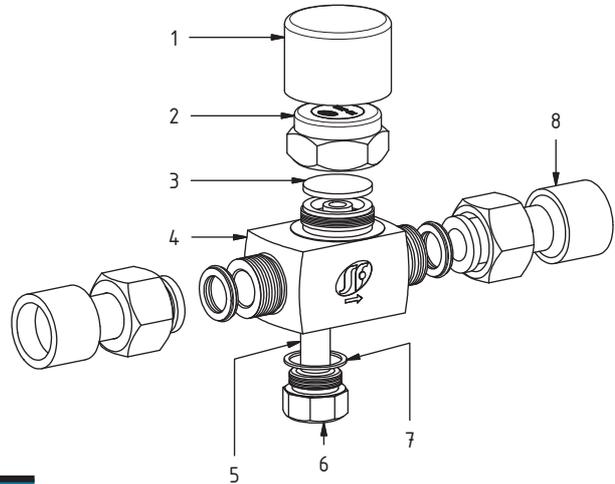
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COMPONENTS AND MATERIALS

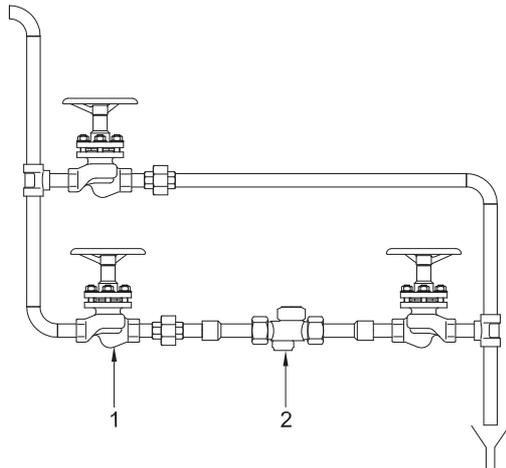
Pos.	Description	Material
1	Insulated Cover	Aluminium
2	Cover	AISI 420 SS
3	Disc	AISI 420 SS
4	Body	AISI 420 SS
5	Screen (WDT-N)	AISI 304 SS (20 Mesh)
6	Strainer Cap	AISI 420 SS
7	Gasket	Copper
8	Stem SW	SAE 1020 CS



HOW TO ORDER SPARE PARTS

Model	Description	Pos.	1/2"	3/4"	1"
421	Insulated Cover	1	16,991	16,992	16,994
	Disc	3	17,068	17,071	17,074
	Screen & Gasket Set	5, 7	17,028	17,034	17,036
422	Insulated Cover	1	16,991	16,992	16,994
	Disc	3	17,069	17,072	17,075
	Screen & Gasket Set	5, 7	17,028	17,034	17,036

TYPICAL INSTALLATION



Title:	
1	Stop Valve
2	Steam Trap

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-0101-37).