



# Steam Traps

## NDT-420

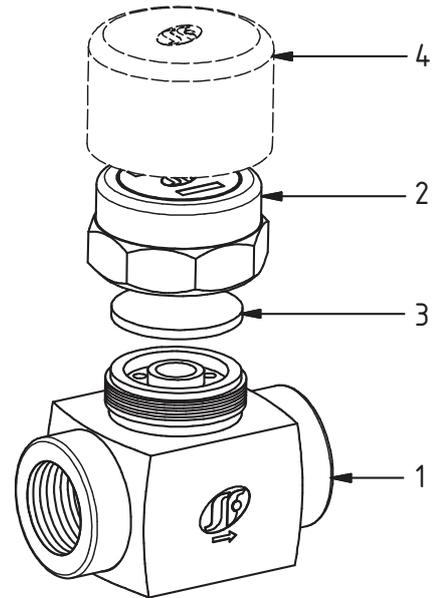
### Thermodynamic Steam Trap

#### COMPONENTS AND MATERIALS

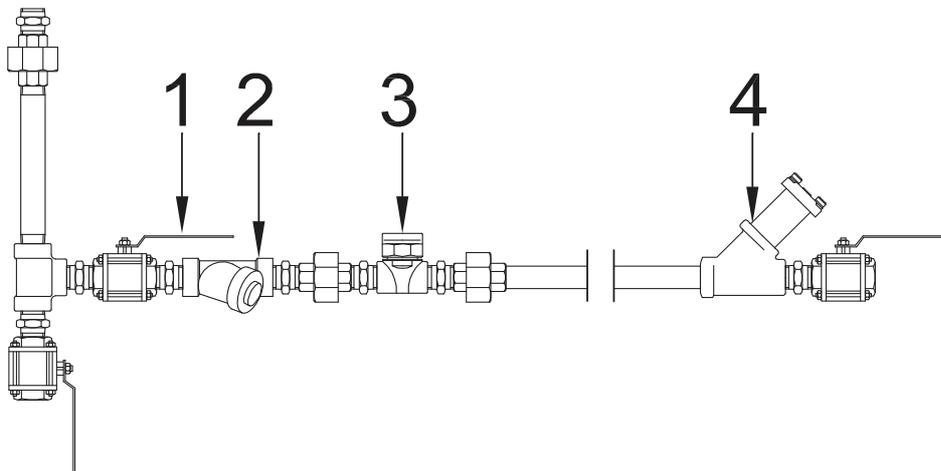
Pos.	Description	Material
1	Body	AISI 420 SS
2	Cover	AISI 420 SS
3	Disc	AISI 420 SS
4	Insulated Cover	Aluminium

#### HOW TO ORDER SPARE PARTS

Model	Description	Pos.	1/4"	3/8"	1/2"	3/4"	1"
421	Insulated Cover	4	-	16,991	16,991	16,992	16,994
	Disc	3	17,079	17,065	17,068	17,071	17,074
422	Insulated Cover	4	-	16,991	16,991	16,992	16,994
	Disc	3	-	17,066	17,069	17,072	17,075
423	Insulated Cover	4	-	16,991	16,991	16,992	16,994
	Disc	3	-	17,067	17,070	17,073	17,076



#### TYPICAL INSTALLATION



Title:	
1	Stop Valve
2	Y Strainer
3	Steam Trap
4	Sight Glass

#### 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).

# Steam Traps

## SDT-420

### Thermodynamic Steam Trap

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SDT-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 perfect shutoff. It is supplied with an integral strainer, which reduces the installation space and ensure long and trouble free operation. It can be supplied with screwed connections BSPT (BS 21) or NPT (ANSI-B1.20.1), Flanges according to ANSI-B16.5 class. Contact factory for other connection options.

**N: Strainer Cap, D: Blowdown Valve.**



SDT-D

SDT-N

#### FEATURES

Product Family	SDT
Sizes	3/8", 1/2", 3/4" and 1"
Connections	Screwed, Flanged
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

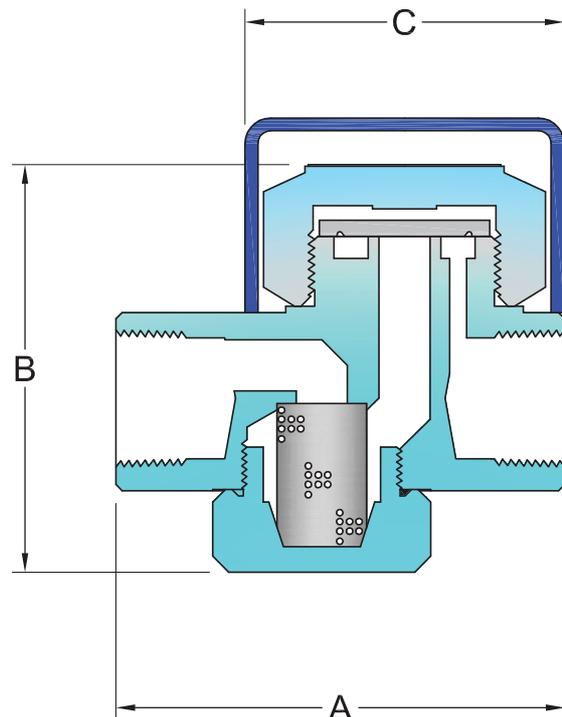
Specify:

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

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

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

DN	A	B	C	Weight
3/8"	2.76	2.40	1.46	2.20
1/2"	2.76	2.44	1.46	2.20
3/4"	2.95	2.87	1.73	2.65
1"	4.13	3.54	2.13	4.85



#### AVAILABLE MODELS

SDT-421N / 421D: Saturated Steam

SDT-422N / 422D: Superheated Steam

SDT-423N / 423D: Compressed Air

#### CAPACITY

Model	Sizes	DIFFERENTIAL PRESSURE - ΔP (psig) x Q (lb/h)											
		11	50	100	149	199	249	299	348	398	498	548	597
SDT-420	3/8"	-	243	441	507	683	838	882	926	1,058	1,102	1,168	1,213
SDT-420	1/2"	375	617	860	1,080	1,279	1,389	1,543	1,587	1,720	1,764	1,786	1,808
SDT-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
SDT-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