

## THERMODYNAMIC STEAM TRAPS DT 40 S

### DESCRIPTION

Thermodynamic DT40S disc steam traps are compact and lightweight-easy to install traps, excellent for high pressure systems, including steam tracing applications. These traps have only one moving part and offer a wide operating range, without adjustment. Connections are female screwed.

### MAIN FEATURES

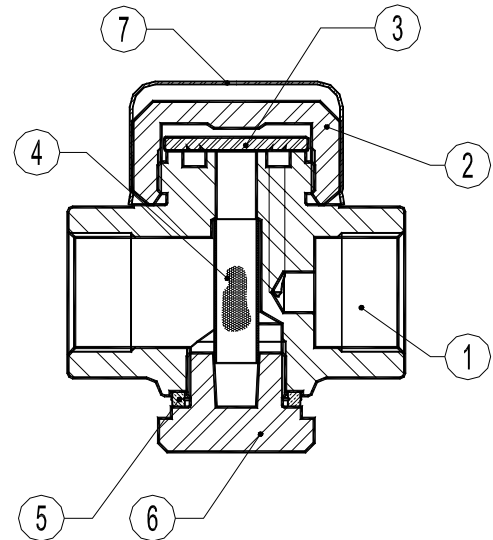
Intermittent discharge.  
Operates on superheated steam.  
The disc can be easily replaced in field without removing the trap from the line.  
Unaffected by waterhammer and vibrations.  
Integral seat .

**OPTIONS:** Insulating cap.  
**USE :** Saturated and superheated steam.  
**AVAILABLE MODELS :** DT40 S  
**SIZES :** 3/8" ,1/ 2" , 3/ 4" and 1"  
**CONNECTIONS :** Female screwed ISO 7/1 Rp (BS21)  
**INSTALLATION :** Horizontal instalation recommended.  
Can be installed in any position.  
See IMI installation and maintenance instructions.

**APPLICATION** Min.working pressure - 0,25 bar  
**LIMITS :** Max.working back pressure - 80%

**PMA :**Max.allowable pressure 63 bar  
**TMA:** Max.allowable temperature 400 °C  
**PMO:** Max.operating pressure 40 bar  
**TMO:** Max.operating temperature 350 °C

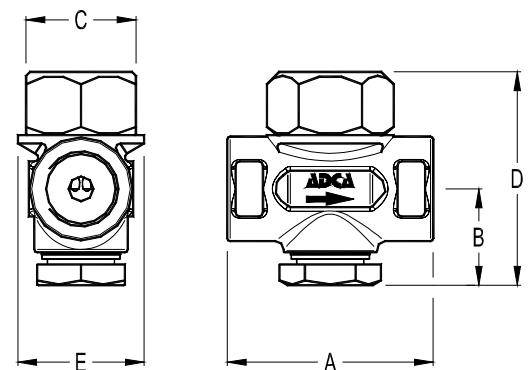
How to order : i.e. DT 40 S DN 1/2" BSP



### MATERIALS:

POS.NR.	DESIGNATION	MATERIAL
1	BODY	AISI 420
2	COVER	AISI 304
3 *	DISC	AISI 420
4 *	STRAINER	AISI 304
5 *	GASKET	ST.ST./GRAPHITE
6	STRAINER CAP	AISI 304
7 *	INSULATING CAP	AISI 304

\* AVAILABLE SPARE PARTS



### FLOW RATE CAPACITY IN Kg/h

MODEL	SIZE	DIFFERENTIAL PRESSURE (bar)												
		0.5	1	3	6	9	12	15	18	21	24	30	35	40
DT40S	3/8"	80	85	115	150	190	210	250	300	310	350	420	490	510
DT40S	1/2"	140	170	250	330	400	490	500	580	605	690	720	800	820
DT40S	3/4"	190	225	345	480	590	700	750	810	900	990	1100	1300	1390
DT40S	1"	290	350	500	700	830	995	1200	1290	1320	1500	1750	1800	1995

### DIMENSIONS (mm)

SIZE	A	B	C	D	E	WEIGHT
DN						Kg
3/8"	70	35	40	73,5	39	0,58
1/2"	70	35	40	73,5	39	0,61
3/4"	75	35	40	77,5	46	0,9
1"	90	39	50	90	52,5	1,3

Recommended safety factor: continuous service = 1.2 - 1.5 ; discontinuous service = 2.