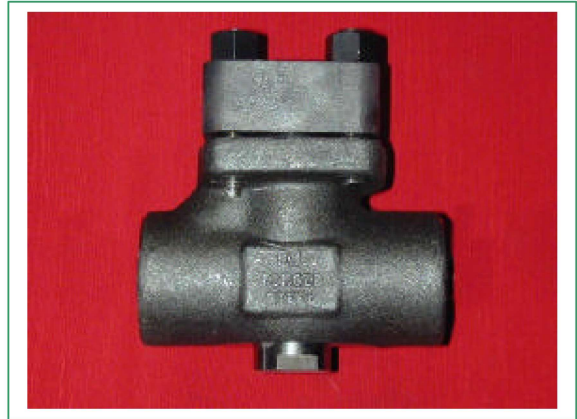


THERMODYNAMIC

This type of trap uses steam dynamic energy to close the discharge orifice. A disc closes both the inlet and outlet orifice. Condensate can lift the disc and be discharge, but when steam is formed its dynamic energy will create a low pressure area (Bernulli Law) under the disc which draws it towards the seat.



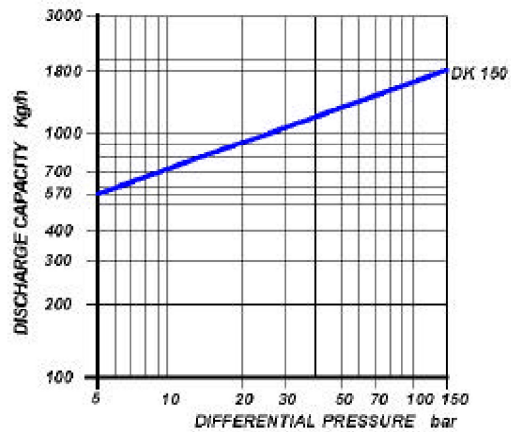
MAIN FEATURES

Reduced dimension and weight simple and reliable. It discharges air. It withstands waterhammer. Condensate discharge is intermittent. Some loss of live steam.

APPLICATIONS

- Steam mains
- Tracing lines
- Turbines
- Marine applications
- Presses

DISCHARGE CAPACITY



Cold water capacities are 2 to 4 times greater than the above.
Safety factor = 1.2 – 1.5

SIZES

1/2" – 3/4" – 1"

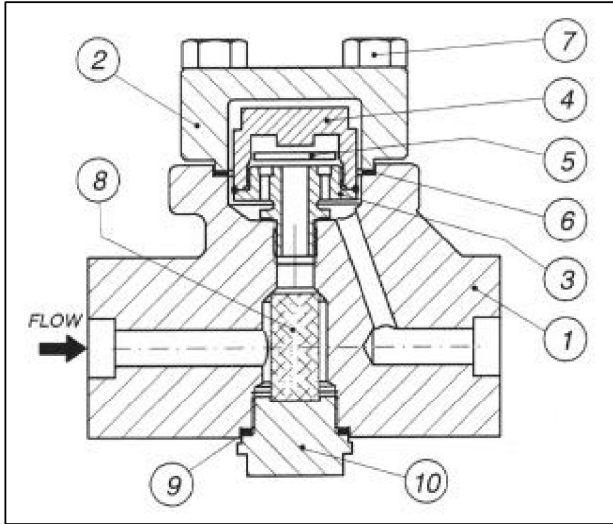
CONNECTIONS

BUTTWELD	ANSI B 16.25
SOCKET WELD	ANSI B 16.11
FLANGED (on request)	ANSI B 16.5 (1500)

LIMITING CONDITIONS (according to ISO 6552)

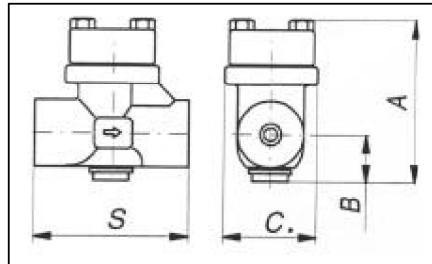
Steam Trap rating	2500
PMA: Max allowable pressure	410 bar
TMA: max allowable temperature	580°C
PMO: max working pressure	150 bar
TMO: max working temperature	550°C
Minimum Working Pressure	5 bar
PMOB: max working back pressure	80%

THERMODYNAMIC STEAM TRAPS DK 150 F304



POS.	DESCRIPTION	MATERIALS	SPARES
1	Body	ASTM A182 F304	
2	Cover	ASTM A182 F304	
3	Seat	AISI 431	X
4	Cover seat	AISI 431	X
5	Disc	AIS 431	X
6	Gasket	S.S 304	X
7	Bolts	ASTM A193 B8	
8	Screen	AISI 304	X
9	Gasket	S.S 304	X
10	Strainer cap	ASTM A182 F304	

Size (inches)	S	A	B	C	Weight (Kg)	Flanged 1500#	
						SF	Kg
½"	170	215	72	106	9.5	290	10
¾"	170	215	72	106	9.5	290	10
1"	170	215	72	106	9.5	297	11



INSTALLATION

The steam trap can be installed in any position, however it should be preferably fitted on horizontal pipelines.

HOW TO SERVICE

By installing a new seat-disc assembly you can bring the steam trap to the "as new from factory" condition. This operation is carried out in a few minutes without removing steam trap from the pipeline. Remove cover(2), unscrew seat-disc assembly and clean the inside of the body. Screw in the new assembly (3-4-5), replace body, cover, gasket (6) and reassemble cover. To service the strainer unscrew the relevant cap (10) and clean or replace the screen. Screwing the cap back always fit a new gasket (9).

How to order: i.e. DK 150 F 304 1" SW

DOUGLAS ITALIA S.p.A Località Pradaglie – 29013 CARPANETO PIACENTINO (PC)

OFFICIAL WEB SITE: www.douglas-italia.com