

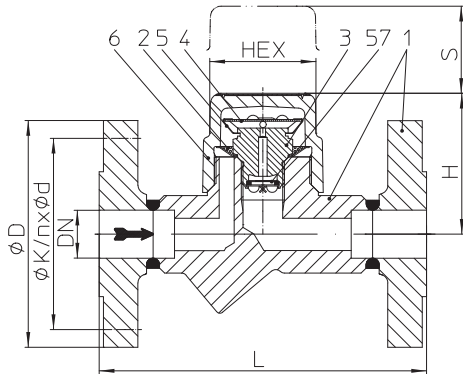
Thermostatic steam trap (Forged steel, Stainless steel)


Fig. 610....1 with flanges

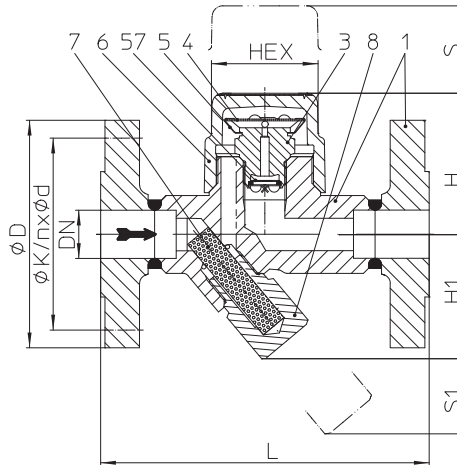


Fig. 612....1 with flanges

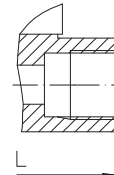
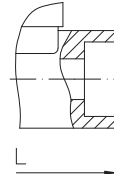
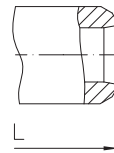

 Fig. 610/612....2
with screwed sockets

 Fig. 610/612....3
with socket weld ends

 Fig. 610/612....4
with butt weld ends

Figure	Nominal pressure	Material	Nominal diam. / NPS	Operating pressure PS	Inlet temperature TS	allowable differential pressure ΔPMX	for controller
45.610	PN40	1.0460	15 - 25 / 1/2" - 1"	22 barg	385 °C	22 bar	R22
45.612 (Y)				14,5 barg	450 °C		
55.610	PN40	1.4541	15 - 25 / 1/2" - 1"	22 barg	400 °C		

For ANSI versions refer to data sheet CONA®M-ANSI

Types of connection

Other types of connection on request.

- Flanges1 _____ acc. to DIN EN 1092-1
- Screwed sockets2 _____ Rp thread acc. to DIN EN 10226-1 or NPT thread acc. to ANSI B1.20.1
- Socket weld ends3 _____ acc. to DIN EN 12760
- Butt weld ends4 _____ Weld preparation acc. to EN ISO 9692 identification No. 1.3 and 1.5
(Note restriction on operating pressure / inlet temperature depending to design!)

Features

- Thermostatic steam trap with noncorrosive and robust water hammer proofed capsule
- Non return protection (not at controller R5)
- With inside strainer - Fig. 610 / With outside strainer - Fig. 612 (Y)
- Installation in any position, optimal filter effect at horizontal installation
- Optimized design for quick installation
- Maintenance simplified due to screwed cap without sealing

Capsule

(chooseable for operating range)

- Capsule No. 1 _____ for condensate discharge at boiling temperature - applicable up to 5 bar inlet pressure
- Capsule No. 2 _____ for condensate sub-cooling about approx. 10K (Standard)
- Capsule No. 3 _____ for condensate sub-cooling about approx. 30K
- Capsule No. 4 _____ for condensate sub-cooling about approx. 40K - applicable up to 16 bar inlet pressure, especially suitable for tracing systems with low and medium pressure steam

Types of connection	Flanges			Screwed sockets Socket weld ends			Butt weld ends		
	15	20	25	15	20	25	15	20	25
DN	15	20	25	15	20	25	15	20	25
NPS	1/2"	3/4"	1"	1/2"	3/4"	1"	1/2"	3/4"	1"

Face-to-face acc. to data sheet resp. customer request										
L	(mm)	150	150	160	95	95	95	250	250	250

Dimensions											Standard-flange dimensions refer to page 17.		
H	(mm)	65	65	65	65	65	74	65	65	65			
H1	(mm)	62	62	62	62	62	55	62	62	62			
S	(mm)	40	40	40	40	40	40	40	40	40			
S1	(mm)	24	24	24	24	24	24	24	24	24			
HEX	(mm)	50	50	50	50	50	50	50	50	50			

Weights										
Fig. 610/612 (appr.)	(kg)	2,7	3,3	3,7	1,4	1,3	1,8	1,8	1,9	2

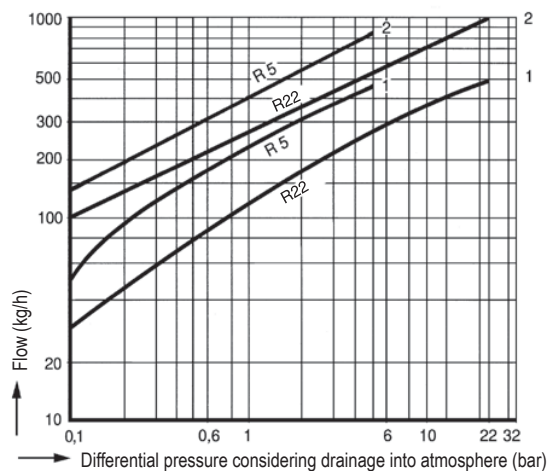
Parts										
Pos.	Sp.p.	Description	Fig. 45.610	Fig. 45.612	Fig. 55.610	Fig. 55.612				
1		Body	P250 GH, 1.0460		X6CrNiTi18-10, 1.4541					
2	x	Strainer	X5CrNi18-10, 1.4301	--	X5CrNi18-10, 1.4301	--				
3	x	Seat	X8CrNiS18-9, 1.4305							
4	x	Capsule (Diaphragm / Capsule)	Hastelloy / X5CrNi18-10, 1.4301							
5	x	Spring actuated clip	X10CrNi18-8, 1.4310							
6		Cap	P250 GH, 1.0460		X6CrNiTi18-10, 1.4541					
7	x	Strainer	--	X5CrNi18-10, 1.4301	--	X5CrNi18-10, 1.4301				
8	x	Strainer plug	--	X6CrNiTi18-10, 1.4541	--	X6CrNiTi18-10, 1.4541				
46	x	Blow down valve, cpl.	--	X6CrNiTi18-10, 1.4541	--	X6CrNiTi18-10, 1.4541				
56	x	Ball valve for blow down (G 3/8")	--	GX5CrNiMo19-11-2, 1.4408	--	GX5CrNiMo19-11-2, 1.4408				
57		Non return protection	X6Cr17, 1.4016							
		L Spare parts								

Information / restriction of technical rules need to be observed!

Resistance and fitness must be verified (contact manufacturer for information, refer to Product overview and Resistance list).

Operating and installation instructions can be downloaded at www.ari-armaturen.com.

Capacity chart



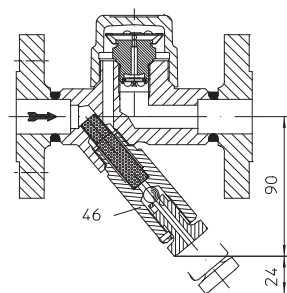
The capacity chart shows the maximum flow rates for controller.

Curve 1: Maximum flow of hot condensate for capsule No. 1, 2, 3 and 4.

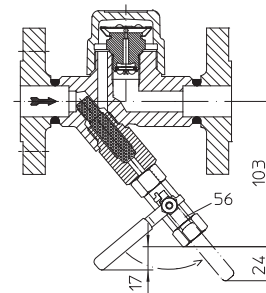
Curve 2: Maximum flow at cold condensate at about 20°C.

Maximum flow at cold condensate at about 20°C.

Options



Outside strainer with blow down valve



Ball valve with adapter for blow down with internal strainer (restricted to 13 bar, 200°C)