

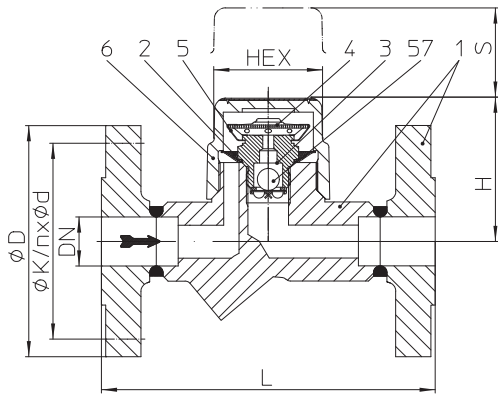
**Thermostatic steam trap for higher flow capacity (Forged steel, High temperature steel, Stainless steel)**


Fig. 611....1 with flanges

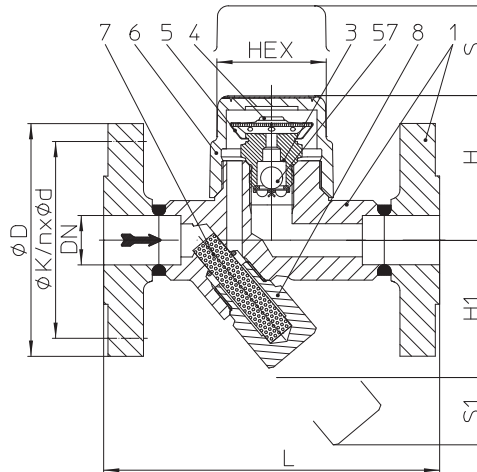


Fig. 613....1 with flanges

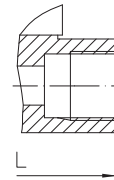
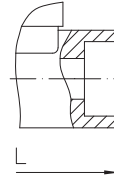
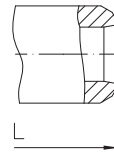

 Fig. 611/613....2  
with screwed sockets

 Fig. 611/613....3  
with socket weld ends

 Fig. 611/613....4  
with butt weld ends

Figure	Nominal pressure	Material	Nominal diameter / NPS	Operating pressure PS	Inlet temperature TS	allowable differential pressure $\Delta PMX$	for controller
45.611 45.613 (Y)	PN40	1.0460	15 - 25 / 1/2" - 1"	32 barg	250 °C	32 bar	R32
				22 barg	385 °C		
				14,5 barg	450 °C		
85.611 85.613 (Y)	PN40	16Mo3	15 - 25 / 1/2" - 1"	35 barg	300 °C		
				32 barg	335 °C		
				28 barg	450 °C		
55.611 55.613 (Y)	PN40	1.4541	15 - 25 / 1/2" - 1"	32 barg	350 °C		
				22 barg	400 °C		

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

Types of connection	Other types of connection on request.
<ul style="list-style-type: none"> <li>Flanges ....1 _____ acc. to DIN EN 1092-1</li> <li>Screwed sockets ....2 _____ Rp thread acc. to DIN EN 10226-1 or NPT thread acc. to ANSI B1.20.1</li> <li>Socket weld ends ....3 _____ acc. to DIN EN 12760</li> <li>Butt weld ends ....4 _____ Weld preparation acc. to EN ISO 9692 identification No. 1.3 and 1.5 (Note restriction on operating pressure / inlet temperature depending to design!)</li> </ul>	
Features	
<ul style="list-style-type: none"> <li>Thermostatic steam trap with noncorrosive and robust water hammer proofed capsule</li> <li>With seat for higher flow capacity than Fig. 610/612</li> <li>Non return protection</li> <li>With inside strainer - Fig. 611 / With outside strainer - Fig. 613 (Y)</li> <li>Installation in any position, optimal filter effect at horizontal installation</li> <li>Optimized design for quick installation</li> <li>Maintenance simplified due to screwed cap without sealing</li> </ul>	
Capsule	(chooseable for operating range)
<ul style="list-style-type: none"> <li>Capsule No. 1 _____ for condensate discharge at boiling temperature - applicable up to 5 bar inlet pressure</li> <li>Capsule No. 2 _____ for condensate sub-cooling about approx. 10K (Standard)</li> <li>Capsule No. 3 _____ for condensate sub-cooling about approx. 30K</li> </ul>	
Options	(Design refer to page 7)
<ul style="list-style-type: none"> <li>Outside strainer with blow down valve (Pos. 46)</li> <li>Ball valve for blow down (pos. 56) with internal strainer (Observe operating and installation instructions!)</li> </ul>	

Types of connection	Flanges			Screwed sockets Socket weld ends			Butt weld ends		
	DN	15	20	25	15	20	25	15	20
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. 611/613 (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. 45.611	Fig. 45.613	Fig. 85.611	Fig. 85.613	Fig. 55.611	Fig. 55.613			
1		Body	P250 GH, 1.0460		16Mo3, 1.5415		X6CrNiTi18-10, 1.4541				
2	x	Strainer	X5CrNi18-10, 1.4301	--	X5CrNi18-10, 1.4301 --		X5CrNi18-10, 1.4301 --				
3	x	Seat	X8CrNiS18-9, 1.4305								
4	x	Capsule B (Diaphragm / Capsule)	Hastelloy / X5CrNi18-10, 1.4301								
5	x	Spring actuated clip	X10CrNi18-8, 1.4310								
6		Cap	P250 GH, 1.0460		16Mo3, 1.5415		X6CrNiTi18-10, 1.4541				
7	x	Strainer	--	X5CrNi18-10, 1.4301	--	X5CrNi18-10, 1.4301	--	X5CrNi18-10, 1.4301	X5CrNi18-10, 1.4301		
8	x	Strainer plug	--	X6CrNiTi18-10, 1.4541	--	X6CrNiTi18-10, 1.4541	--	X6CrNiTi18-10, 1.4541	X6CrNiTi18-10, 1.4541		
46	x	Blow down valve, cpl.	--	X6CrNiTi18-10, 1.4541	--	X6CrNiTi18-10, 1.4541	--	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	--	GX5CrNiMo19-11-2, 1.4408	GX5CrNiMo19-11-2, 1.4408		
57		Non return protection	X20Cr13+QT, 1.4021+QT								
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](http://www.ari-armaturen.com).

