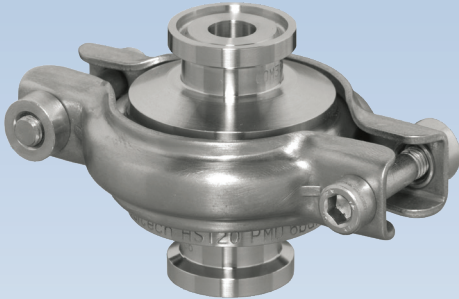


HST20 STEAM TRAP



HST20

The HST20 range of steam traps are designed to remove condensate from steam systems where a lower level of surface finish can be accepted. A thermostatic element is used to detect the difference between the temperature of the cooling condensate and the system operating temperature. When this temperature differential exceeds 3-5°C the element contracts to allow the cooling condensate to exhaust. Being a temperature sensitive device, the HST20 also ensures that air is purged from a steam system together with waste condensate. Typical applications for the HST20 are steam main drainage, Steam-in-Place(SIP) applications and when inverted, as a steam system air vent. The HST20 is available with either clamped(HST20) or screwed (HST20S) body joint.

P Pressure Rating	Maximum operating pressure (PMO) - 6 barg Maximum allowable pressure (PMA) - 8 barg																					
T Temperature Rating	Maximum allowable temperature (TMA) - 170°C																					
Connections	1/4" - 1-1/2" ASME BPE clamp or weld end 1/2" and 3/4" compression fittings DN8, 10, 15, 20, 25 ISO and DIN clamp or weld end																					
Wetted Parts	316L stainless steel																					
Seal Material	PTFE-Viton (HST20), FEP-Viton (HST20SC)																					
Flow Capacity	<table border="1"> <tr> <td>Pressure (bar)</td> <td>1.0</td> <td>2.0</td> <td>3.0</td> <td>4.0</td> <td>5.0</td> <td>6.0</td> </tr> <tr> <td>Flow (kg/h)</td> <td>200</td> <td>350</td> <td>400</td> <td>650</td> <td>800</td> <td>950</td> </tr> <tr> <td>Cold flow (kg/h)</td> <td>700</td> <td>900</td> <td>1000</td> <td>1200</td> <td>1500</td> <td>1600</td> </tr> </table>	Pressure (bar)	1.0	2.0	3.0	4.0	5.0	6.0	Flow (kg/h)	200	350	400	650	800	950	Cold flow (kg/h)	700	900	1000	1200	1500	1600
Pressure (bar)	1.0	2.0	3.0	4.0	5.0	6.0																
Flow (kg/h)	200	350	400	650	800	950																
Cold flow (kg/h)	700	900	1000	1200	1500	1600																
Surface Finish	Wetted surfaces - 0.8 microns Ra (SF3) External surfaces - 1.0 micron Ra																					
Options	Bolted body joint - HST20 Screwed body joint - HST20SC Screwed connections Fixed bleed Electropolished finish																					

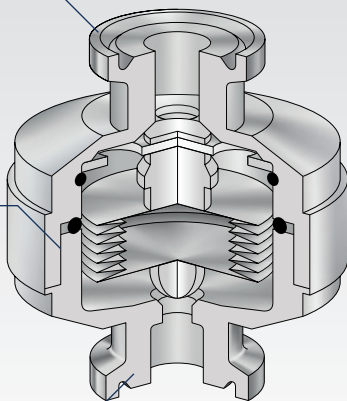
C Certification	Certificate of conformity Material certification FDA Elastomer compliance certificate USP Elastomer compliance certificate Certified 'Animal derived ingredient' free
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- ★ Features**
- Manufactured from solid bar without welding
 - Wide range of connection types and sizes
 - Easy to maintain
 - Cost effective solution suitable for the majority of trapping applications

ASME BPE, ISO and DIN connections available

Two body joint options (HST20)

316L stainless steel body and end fittings



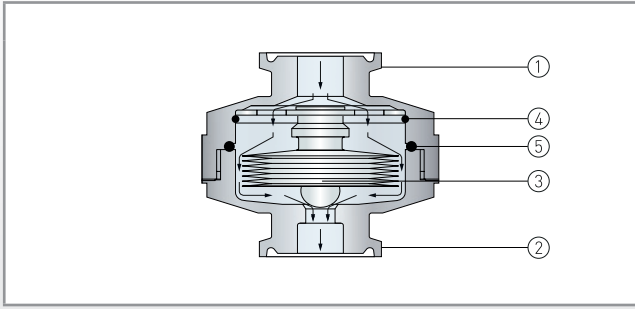
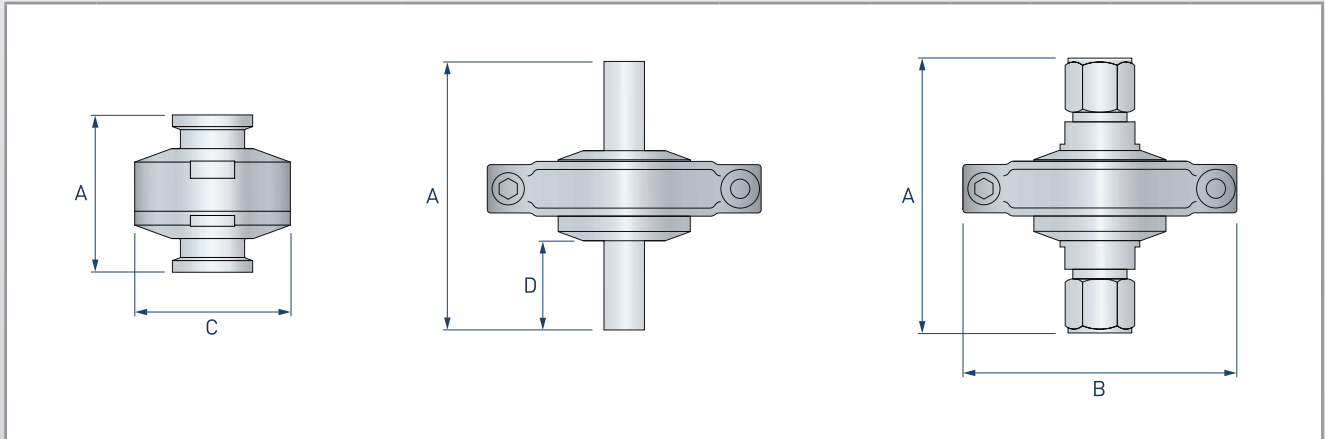


Illustration showing HST20SC

Part	Description	
1	Inlet connection	316L stainless steel
2	Outlet connection	316L stainless steel
3	Element assembly	316/316L stainless steel
4	Element retainer	316 Stainless steel
5	Seal HST20*	PTFE-Viton envelope
	Seal HST20S*	FEP-Viton
6	Body clamp**	304 stainless steel

*Body seal is FDA and USP (121°C) compliant

**Used on HST20 only



Model	ASME BPE ISO DIN	1/2"	3/4"	1"	1-1/2"	Dimensions (mm)				Weight (kg)
		DN8 and DN10 DN8 and DN10*	DN15 DN15*	DN20 DN20* and DN25	DN25 DN32	A	B	C	D	
HST20SC		✓	✓	✓	✓	49	-	48.5	-	0.3
		✓	✓	✓		82	-	48.5	28	0.4
		✓	✓			82	-	48.5	-	0.4
HST20		✓	✓	✓	✓	49	85	-	-	0.3
		✓	✓	✓		82	85	-	28	0.4
		✓	✓			82	85	-	-	0.4

*ISO DN15, DIN DN8 - DN20 available with 25mm or 34mm clamp connections. ISO DN15 available with 34mm or 50.5mm clamp connections

Service Parts - Element assembly (3), element retainer (4) and body seal (5)

ASME BPE part number ordering key						
Product		Size		Connections		Options
	-					-
Clamped body joint HST20		1/2" ASME BPE	050	Clamp	C	Electropolishing EP
Screwed body joint		3/4" ASME BPE	075	Weld	W	
		1" ASME BPE	100	Compression fittings (1/2" and 3/4" only)	CF	
HST20SC		1-1/2" ASME BPE	150			
Example						
HST20	-	050C			-	EP
Specification text						
Staitech HST20 steam trap manufactured from 316L stainless steel with PTFE-Viton FDA and USP Class VI compliant body seal. 1/2" ASME BPE clamp connections. Wetted surfaces finished to 0.8 microns Ra. External surfaces finished to 1.0 micron Ra. (HST20-050C). For electropolished finish add suffix '-EP' (HST20-050C-EP).						

DIN part number ordering key									
Product		Connections		Size		Options			
	-					-			
Clamped body joint HST20		Clamp	C	DIN DN8	34.0-8.0	Electropolishing EP			
Screwed body joint				DIN DN10	34.0-10.0				
					25.0-10.0				
HST20SC					34.0-15.0				
					25.0-15.0				
					34.0-16.0				
					25.0-16.0				
					34.0-20.0				
					50.5-20.0				
					50.5-25.0				
Clamped body joint HST20				Weld	W		DIN DN8	10.0-8.0	
Screwed body joint							DIN DN10	12.0-10.0	
								13.0-10.0	
HST20SC								18.0-15.0	
			18.0-16.0						
			23.0-20.0						
			28.0-25.0						
			29.0-26.0						
Example									
HST20	-	C	-	34.0-8.0		-			
EP									
Specification text									
Staitech HST20 steam trap manufactured from 316L stainless steel with PTFE-Viton FDA and USP Class VI compliant body seal. DIN DN8 34mm clamp connections. Wetted surfaces finished to 0.8 microns Ra. External surfaces finished to 1.0 micron Ra. (HST20-C-34.0-8.0). For electropolished finish add suffix '-EP' (HST20-C-34.0-8.0-EP).									

ISO part number ordering key						
Product		Connections		Size		Options
	-		-		-	
Clamped body joint HST20		Clamp C		ISO DN8 25.0-10.3		Electropolishing EP
				ISO DN10 25.0-14.0		
Screwed body joint HST20SC				ISO DN15 25.0-18.1		
				ISO DN15 34.0-18.1		
				ISO DN20 50.5-23.7		
Clamped body joint HST20		Weld W		ISO DN8 13.5-10.3		
				ISO DN10 17.2-14.0		
Screwed body joint HST20SC				ISO DN15 21.3-18.1		
				ISO DN20 26.9-23.7		
Example						
HST20	-	C	-	25.0-10.3	-	EP
Specification text						
Staitech HST20 steam trap manufactured from 316L stainless steel with PTFE-Viton FDA and USP Class VI compliant body seal. ISO DN8 25mm clamp connections. Wetted surfaces finished to 0.8 microns Ra. External surfaces finished to 1.0 micron Ra. (HST20-C-25.0-10.3). For electropolished finish add suffix '-EP' (HST20-C-25.0-10.3-EP).						