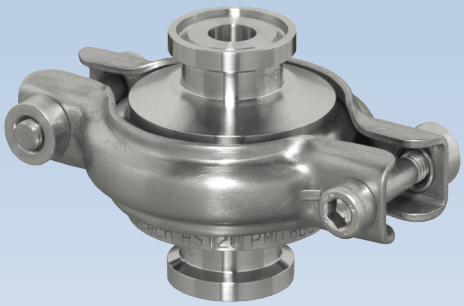
HST20 STEAM TRAP



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.

Pressure Rating
Maximum operating pressure (PMO) - 6 barg
Maximum allowable pressure (PMA) - 8 barg

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

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

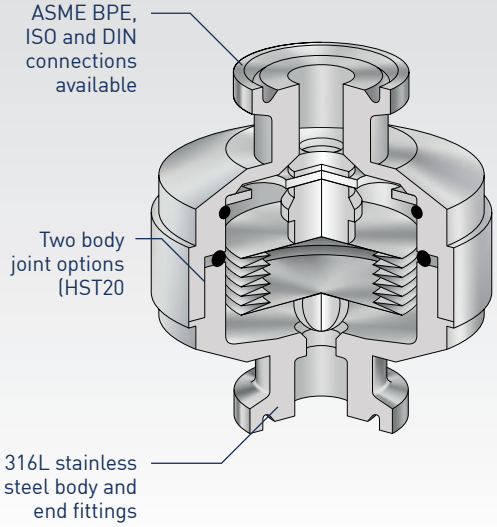
Surface Finish
Wetted surfaces - 0.8 microns Ra (SF3)
External surfaces - 1.0 micron Ra

Options
Bolted body joint - HST20
Screwed body joint - HST20SC
Screwed connections
Fixed bleed
Electropolished finish

Certification
Certificate of conformity
Material certification
FDA Elastomer compliance certificate
USP Elastomer compliance certificate
Certified 'Animal derived ingredient' free

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



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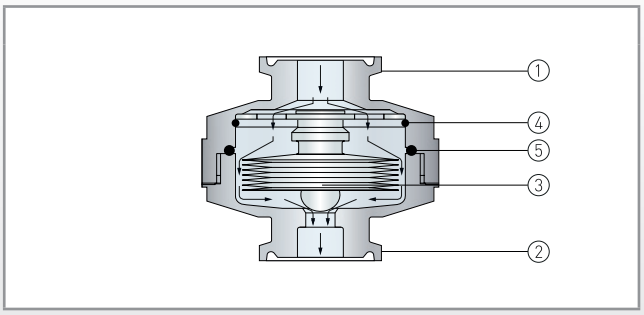
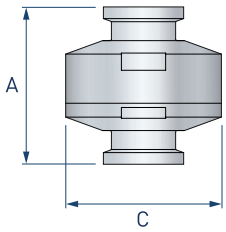
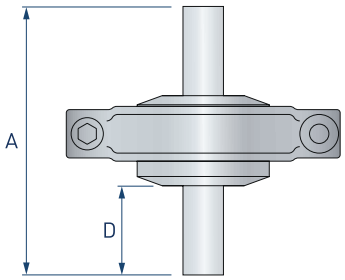


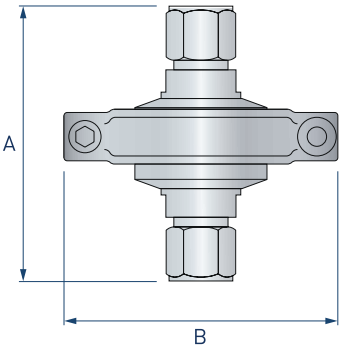
Illustration showing HST20SC

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" DN8 and DN10 DN8 and DN10*	3/4" DN15 DN15*	1" DN20 DN20* and DN25	1-1/2" DN25 DN32	Dimensions (mm) A	 B	 C	 D	Weight (kg)
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)

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ASME BPE part number ordering key

Product		Size		Connections			Options	
	-					-		
Clamped body joint		1/2" ASME BPE	050	Clamp	C		Electropolishing	EP
HST20		3/4" ASME BPE	075	Weld	W			
Screwed body joint		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		Clamp	C	DIN DN8	34.0-8.0		Electropolishing	EP
HST20					25.0-8.0			
Screwed body joint				DIN DN10	34.0-10.0			
HST20SC					25.0-10.0			
				DIN DN15	34.0-15.0			
					25.0-15.0			
				DIN DN15	34.0-16.0			
					25.0-16.0			
				DIN DN20	34.0-20.0			
					50.5-20.0			
				DIN DN25	50.5-25.0			
Clamped body joint		Weld	W	DIN DN8	10.0-8.0			
HST20				DIN DN10	12.0-10.0			
Screwed body joint					13.0-10.0			
HST20SC				DIN DN15	18.0-15.0			
					18.0-16.0			
				DIN DN20	23.0-20.0			
				DIN DN25	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		Clamp **C**		ISO DN8 **25.0-10.3**		Electropolishing **EP**
HST20				ISO DN10 **25.0-14.0**		
Screwed body joint				ISO DN15 **34.0-18.1**		
HST20SC				ISO DN15 **50.5-18.1**		
				ISO DN20 **50.5-23.7**		
Clamped body joint		Weld **W**		ISO DN8 **13.5-10.3**		
HST20				ISO DN10 **17.2-14.0**		
Screwed body joint				ISO DN15 **21.3-18.1**		
HST20SC				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).