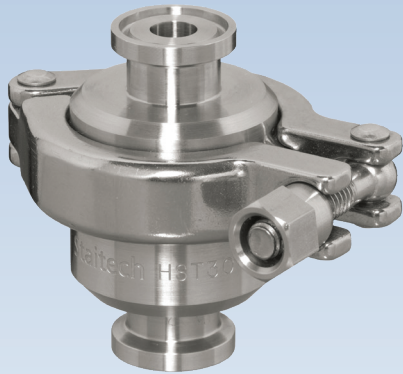


# HST30TC STEAM TRAP



**HST30TC** The HST30TC range of steam traps are designed to remove condensate from high purity steam systems. 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 HST30TC also ensures that air is purged from a steam system together with waste condensate. Typical applications for the HST30TC are steam main drainage, Steam-in-Place(SIP) applications and when inverted, as a steam system air vent. Where a bolted body joint is preferred over clamped configuration the HST30 model is available.

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

**T Temperature Rating** Maximum allowable temperature (TMA) - 170°C

**I Connections** 1/4" - 1-1/2" ASME BPE clamp or weld end  
DN8, 10, 15, 20, 25 ISO and DIN clamp or weld end

**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 - 0.5 microns Ra (SF1)  
External surfaces - 0.8 microns Ra

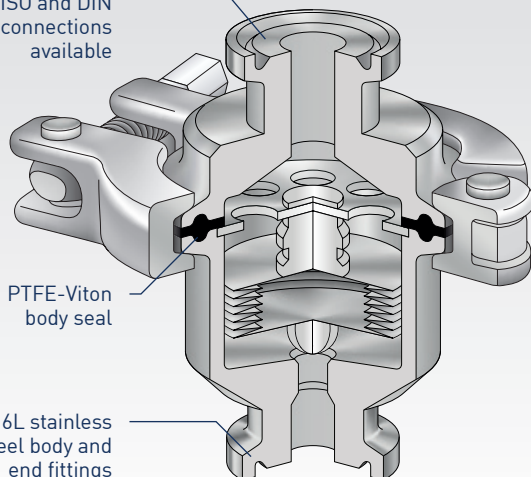
**Options**  
Body clamp with wing nut  
Horizontal inlet connection  
Bolted body joint - HST30  
Electropolished finish (SF4)  
Stainless steel grade WN1.4435  
Fixed bleed

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

**★ Features**

- Clamped body - allows easy disassembly for cleaning and servicing
- Wide range of connection types and sizes
- Optional finishes available - SF1 and SF4
- Simple to maintain
- Industry standard face-face dimension

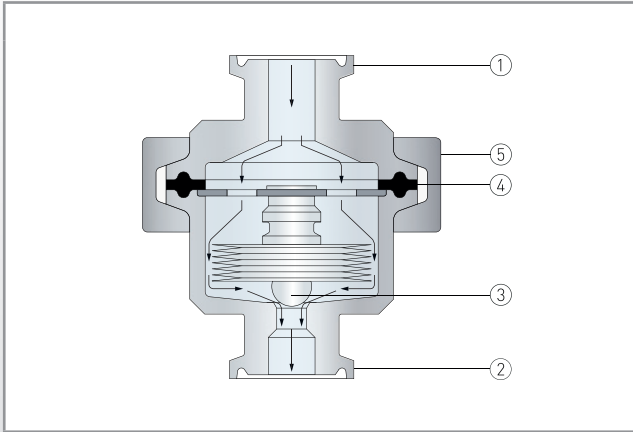
ASME BPE, ISO and DIN connections available



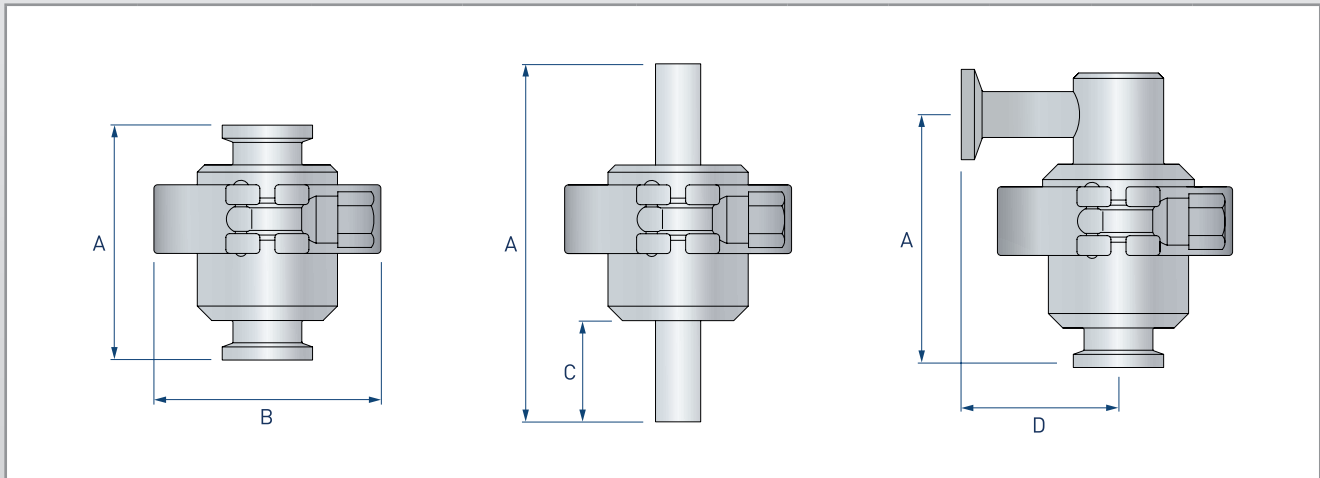
PTFE-Viton body seal

316L stainless steel body and end fittings

# HST30TC STEAM TRAP



Part	Description	
1	Inlet connection	316L stainless steel
2	Outlet connection	316L stainless steel
3	Element assembly	316/316L stainless steel
4	Seal	PTFE-Viton envelope
5	Body clamp	Stainless steel



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	
	✓	✓	✓	✓	65	60	-	-	0.5
	✓	✓	✓		98	60	28	-	0.5
	✓	✓			70	60	-	43	0.5
			✓		77	60	-	50	0.6

\*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) and body seal (4)

ASME BPE part number ordering key				
Product		Size		Connection
	-			
Vertical connections		1/2" ASME BPE	050	Clamp C
HST30TC		3/4" ASME BPE	075	Weld W
		1" ASME BPE	100	
		1-1/2" ASME BPE	150	
Horizontal inlet		1/2" ASME BPE	050	
HST30TCH		3/4" ASME BPE	075	
		1" ASME BPE	100	
Example				
<b>HST30TC</b>	<b>-</b>			<b>050C</b>
Specification text				
Staitech HST30TC 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 0.5 microns Ra and electropolished. External surfaces finished to 0.8 microns Ra. (HST30TC-050C). For electropolished finish add suffix '-EP' (HST30TC-050C-EP).				

DIN part number ordering key				
Product		Connection		Size
	-		-	
Vertical connections		Clamp C		DIN DN8 34.0-8.0
HST30TC				25.0-8.0
Horizontal inlet				DIN DN10 34.0-10.0
HST30TCH				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
Vertical connections		Weld W		DIN DN8 10.0-8.0
HST30TC				12.0-10.0
Horizontal inlet				DIN DN10 13.0-10.0
HST30TCH				
				DIN DN15 18.0-15.0
				18.0-16.0
				DIN DN20 23.0-20.0
				28.0-25.0
				DIN DN25 29.0-26.0
Example				
<b>HST30TC</b>	<b>-</b>	<b>C</b>	<b>-</b>	<b>34.0-8.0</b>
Specification text				
Staitech HST30TC 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 0.5 microns Ra and electropolished. External surfaces finished to 0.8 microns Ra. (HST30TC-C-34.0-8.0). For electropolished finish add suffix '-EP' (HST30TC-C-34.0-8.0-EP).				

ISO part number ordering key				
Product	Connection		Size	
	-		-	
Vertical connections HST30TC		Clamp <b>C</b>		ISO DN8 25.0-10.3
Horizontal inlet HST30TCH				ISO DN10 25.0-14.0
				ISO DN15 25.0-18.1
				ISO DN15 34.0-18.1
				ISO DN20 50.5-23.7
Vertical connections HST30TC		Weld <b>W</b>		ISO DN8 13.5-10.3
Horizontal inlet HST30TCH				ISO DN10 17.2-14.0
				ISO DN15 21.3-18.1
				ISO DN20 26.9-23.7
Example				
<b>HST30TC</b>	<b>-</b>	<b>C</b>	<b>-</b>	<b>25.0-10.3</b>
Specification text				
<p>Staitech HST30TC 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 0.5 microns Ra and electropolished. External surfaces finished to 0.8 microns Ra. (HST30TC-C-25.0-10.3). For electropolished finish add suffix '-EP' (HST30TC-C-25.0-10.3-EP).</p>				