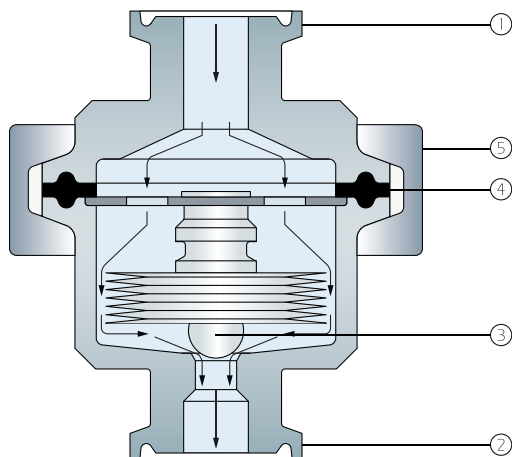


The HST30TC range of steam traps is designed to remove condensate from high purity steam systems. A thermostatic element is used to detect the difference between the temperature of the cooling condensate and the system operating temperature. When this temperature differential exceeds 3-5°C the element 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
- 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
External surfaces - 0.8 microns Ra
- Options**
Hexagon nut or wing nut clamp
Horizontal inlet connection
Bolted body joint - HST30
Electropolished finish
Stainless steel grade WN1.4435
- C Available Certification**
 - CofC** Certificate of Conformity
 - MTR's** Material Certification
 - FDA** FDA Elastomer compliance certificates
 - USP** USP Elastomer compliance certificates
 - ADI** Certified 'Animal Derived Ingredient' free

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
6	Body clamp	Stainless steel

HST30TC									
ASME BPE	1/2"	3/4"	1"	1-1/2"	Dimensions (mm)				Weight (kg)
ISO	DN8 and DN10	DN15*	DN20	DN25	A	B	C	D	
DIN	DN8 and DN10*	DN15*	DN20* and DN25	DN32					
	✓	✓	✓	✓	65	60	-	-	0.5
	✓	✓	✓		98	60	28	-	0.5
	✓	✓			70	60	-	43	0.5
			✓		77	60	-	50	0.6

*ISO DN 15, DIN DN8 - DN20 available with 25mm or 34mm clamp connections. ISO DN 15 available with 50.5mm clamp connections



Packaging

Individually capped, bagged and boxed



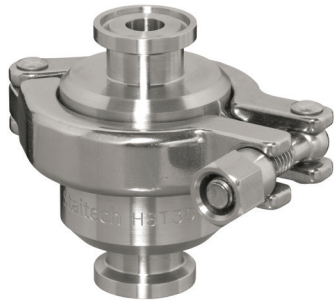
Service Parts

Element assembly and body seal - parts 3 and 4



Specification

See product selector sheet for specification and ordering detail



- Thermostatic design
- Maximum operating pressure (PMO) - 6 barg
- Maximum allowable pressure (PMA) - 8 barg
- Maximum allowable temperature (TMA) - 170°C
- 1/2", 3/4", 1", 1-1/2" ASME BPE clamp or weld end
- DN8, 10, 15, 20, 25 ISO and DIN clamp or weld end
- Horizontal inlet available

ASME BPE part number ordering key

Product	Size	Connection	Options
-	-	-	-
Vertical connections HST30TC	1/2" ASME BPE 050 3/4" ASME BPE 075 1" ASME BPE 100 1-1/2" ASME BPE 150	Clamp C Weld W	Electropolishing EP
Horizontal inlet HST30TCH	1" ASME BPE 050 3/4" ASME BPE 075 1" ASME BPE 100		

Example

HST30TC	-	050C	-	EP
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Specification text

Staitech **HST30TC** steam trap manufactured in 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-EP)

Staitech **HST30TCH** steam trap manufactured in 316L stainless steel with PTFE-Viton FDA and USP Class VI compliant body seal. **1/2" ASME BPE clamp** connections with a horizontal inlet. Wetted surfaces finished to 0.5 microns Ra and **electropolished**. External surfaces finished to 0.8 microns Ra. (HST30TCH-050C-EP)

Customer reference number:

Tag number	Part number	Quantity

Available certification (tick as required)

CofC Certificate of conformity	USP USP elastomer compliance certificates
MTR's Materials certification	ADI Certified 'Animal Derived Ingredient' free
FDA FDA elastomer compliance certificates	

DIN part number ordering key							
Product	Connections		Size		Options		
	-		-		-		
Vertical connections HST30TC		Clamp C		DIN DN8	34.0 - 8.0	Electropolishing EP	
Horizontal inlet HST30TCH				DIN DN10	25.0 - 8.0		
					34.0 - 10.0		
					25.0 - 10.0		
					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				
			Weld W		DIN DN8		10.0-8.0
					DIN DN10		12.0 - 10.0
							13.0 - 10.0
		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							
HST30TC	-	C	-	34.0 - 8.0	-	EP	
Specification text							
Staitech HST30TC steam trap manufactured in 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-EP)							
Staitech HST30TC steam trap manufactured in 316L stainless steel with PTFE-Viton FDA and USP Class VI compliant body seal. DIN DN8 34mm clamp connections with a horizontal inlet. Wetted surfaces finished to 0.5 microns Ra and electropolished . External surfaces finished to 0.8 microns Ra. (HST30TCH-C-34.0-8.0-EP)							
Customer reference number:							
Tag number	Part number				Quantity		
Available certification (tick as required)							
<input type="checkbox"/>	CofC Certificate of conformity	<input type="checkbox"/>	USP USP elastomer compliance certificates				
<input type="checkbox"/>	MTR's Materials certification	<input type="checkbox"/>	ADI Certified 'Animal Derived Ingredient' free				
<input type="checkbox"/>	FDA FDA elastomer compliance certificates						

ISO part number ordering key						
Product	Connections		Size		Options	
	-		-		-	
Vertical connections HST30TC		Clamp C		ISO DN8 25mm clamp	25.0 - 10.3	Electropolishing EP
Horizontal inlet HST30TCH				ISO DN10 25mm clamp	25.0 - 14.0	
				ISO DN15 25mm clamp	25.0 - 18.1	
				ISO DN15 34mm clamp	34.0 - 18.1	
				ISO DN20 50.5mm clamp	50.5 - 23.7	
		Weld W		ISO DN8	13.4 - 10.3	
				ISO DN10	17.2 - 14.0	
				ISO DN15	21.3 - 18.1	
				ISO DN20	26.9 - 23.7	
Example						
HST30TC	-	C	-	25.0 - 10.3	-	EP
Specification text						
Staitech HST30TC steam trap manufactured in 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-EP)						
Staitech HST30TC steam trap manufactured in 316L stainless steel with PTFE-Viton FDA and USP Class VI compliant body seal. ISO DN8 25mm clamp connections with a horizontal inlet. Wetted surfaces finished to 0.5 microns Ra and electropolished . External surfaces finished to 0.8 microns Ra. (HST30TCH-C-34.0-8.0-EP)						
Customer reference number:						
Tag number	Part number				Quantity	
Available certification (tick as required)						
	<input type="checkbox"/> CofC Certificate of conformity			<input type="checkbox"/> USP USP elastomer compliance certificates		
	<input type="checkbox"/> MTR's Materials certification			<input type="checkbox"/> ADI Certified 'Animal Derived Ingredient' free		
	<input type="checkbox"/> FDA FDA elastomer compliance certificates					