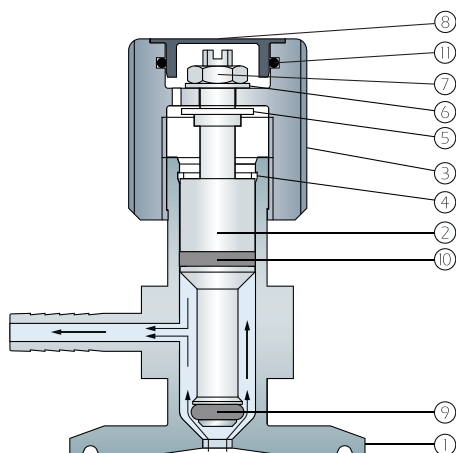




The HSV90 is intended for liquid sampling applications in high purity systems. Wetted parts are manufactured in 316L stainless steel with a range of FDA and USP compliant elastomer seal materials available. The HSV90 is suitable for both in-line sterilising and autoclaving. A wide range of ASME BPE, DIN and ISO system connections are available to include eccentric configurations which allow total system drainability.



- P Pressure Rating**  
Up to 10 barg
- T Temperature Rating**  
Up to - 150°C with EPDM seals  
200°C with Viton, Silicone or Perlast seals
- Connections**  
Inlet - 1/2" - 2" ASME BPE clamp  
Outlet - 1/2" ASME BPE clamp or 6.5mm hose barb  
Inlet - DN8 - DN40 ISO clamp  
Outlet - DN8 ISO clamp or 6.5mm hose barb  
Inlet - DN8 - DN50 DIN clamp  
Outlet - DN10 DIN clamp or 6.5mm hose barb
- Orifice Diameter**  
5.0mm
- Seal Material**  
EPDM, Viton, Silicone or Perlast
- Surface Finish**  
Wetted surfaces - 0.5 microns Ra and electropolished  
External surfaces - 0.8 microns Ra and electropolished
- Options**  
Flushing port
- 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	Body 316L stainless steel
2	Stem 316L stainless steel
3	Handle Polyetherimide
4	Circlip Stainless steel
5	Shim washer Stainless steel
6	Washer Stainless steel
7	Nut Stainless steel
8	Handle insert 316L stainless steel
9	Seat seal EPDM, Viton, Silicone or Perlast
10	Stem seal EPDM, Viton, Silicone or Perlast
11	Handle inset seal EPDM
-	Dust cap* Silicone

\*Fitted on hose barb option only

HSV90													
ASME BPE	System connection					Outlet	Dimensions (mm)					Weight (kg)	
	1/2"	3/4"	1"	1-1/2"	2"		1/2" BPE clamp**	ØA	ØB	C	D		E
ISO	DN8 and DN10	DN15*	DN20	DN25 and DN32	DN40	6.5mm barb	25mm clamp**						
DIN	DN8 and DN10*	DN15*	DN20* and DN25	DN32 and DN40	DN50	25mm clamp**	25mm clamp**						
	✓	✓				✓		25	6.5	72	21	36	0.15
	✓	✓					✓	25	25	72	21	43	0.15
				✓	✓	✓		50.5	6.5	72	21	36	0.20
				✓	✓		✓	50.5	25	72	21	43	0.20
					✓	✓	✓	64	6.5	72	21	36	0.20
					✓		✓	64	25	72	21	43	0.20
				✓		✓		50.5	6.5	72	21	36	0.20
				✓			✓	50.5	25	72	21	43	0.20

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

\*\* When a system connection is a 50.5mm or 64.0mm clamp, the clamp connection will be 25mm. When the system clamp connection is 34mm the outlet will also be a 34mm clamp



### Packaging

Individually capped, bagged and boxed



### Service Parts

Seal kit comprising parts 9 and 10

# Staitech

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Specifications subject to change without notice. HSV90-TB - 12/14