

# Sample Cooler Accessories

## Sample Valve, Sample Hose, Hose Barb Adapter

### SV Sample Valve

The SV was designed for use in high purity steam systems and water systems. The SV Series utilizes a steam resilient Perlast® seat seal to ensure optimum service life and bubble tight shut-off. Because of these design characteristics, the SV is also used for any general pharma sampling application where a hand valve with sliding stem seal (O-ring) is required.

#### FEATURES

- Fully drainable when installed with handle facing up or on its side
- Compact design
- Autoclavable
- Suitable for CIP and SIP
- Fine stem threads for precision metering
- SF1 surface finish



#### DOCUMENTATION

The following documentation is shipped with each order:

- Steriflow Unicert: Each Unicert includes individual serial numbers, with heat numbers and attached MTR's directly traceable to each valve.
  - Traceable Material Heat Number
  - Certificate of Surface Finish
  - A certificate of conformance regarding the Borosilicate glass is available upon request at time of order.

#### APPLICATIONS

- Clean Utility Sampling
- Media and Budder Prep Samples
- Buffer Dilution Samples
- Media Samples
- Upstream and Downstream
  - Bioreactor Samples
  - Centrifuge Outflow Samples
  - Permeate Samples
  - Formulation Samples

## SV Steam Sampling Valve

The SV is a precision control sampling valve and is designed to connect directly onto the sample cooler inlet to control the flow of clean steam, or Hot WFI into the unit to condense and cool. The SV can also be used for any general steam or hot WFI sampling application where a hand valve is required.

**Connection:** 1/2" Tri-Clamp®

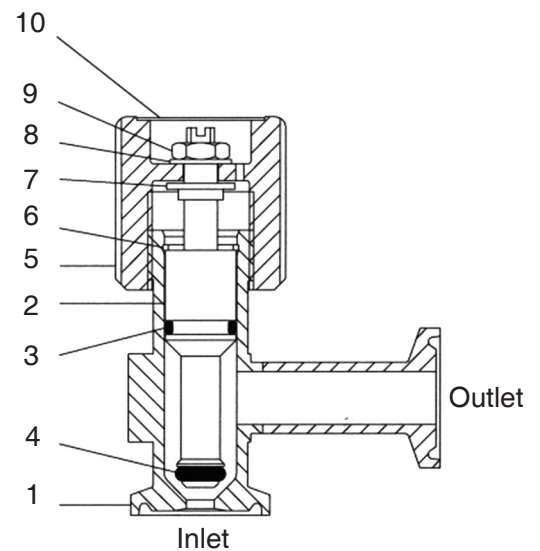
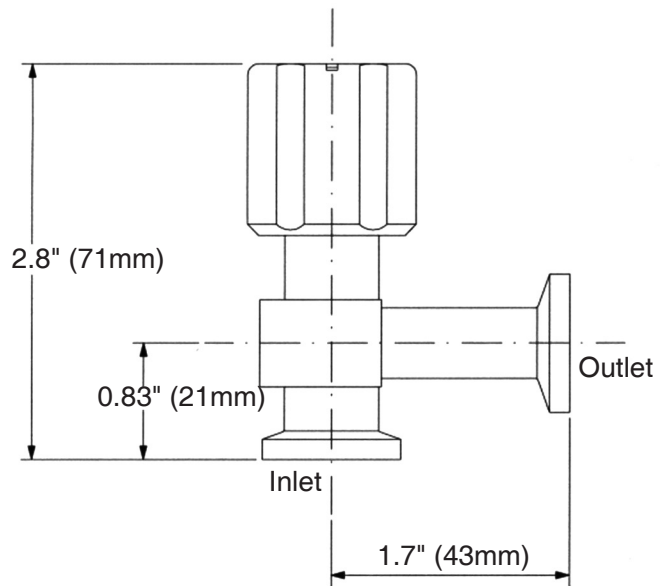
**Maximum operating pressure:** 116 psig (8.0 barg)

**Maximum operating temperature :** 347°F (176°C)

**Surface finish**

- Wetted surfaces: SF1, 20 Ra  $\mu$ in (0.5  $\mu$ m Ra)
- External surfaces: Satin polish

Materials of Construction		
1	Body	316L Stainless Steel
2	Valve Stem	316L Stainless Steel
3	Stem Seal	Viton (FDA and USP Class VI compliant)
4	Seat Seal	Perloast® (FDA and USP Class VI compliant)
5	Handle	Polyetherimide
6 -10	Non-wetted components	Stainless Steel

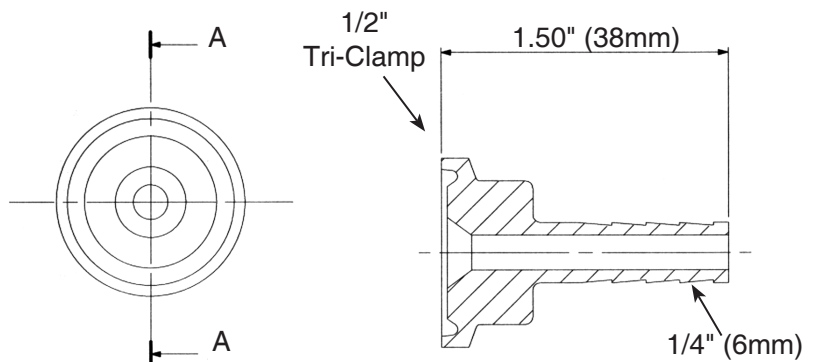


## SA Hose Adapter

The SA allows users to connect the 1/2" Tri-Clamp sample outlet on any SC unit to a sanitary flexible hose so the sample can be directed where required. It can also be used without a hose as a directional spout.

**Connection:** Inlet 1/2" Tri-Clamp® outlet 1/4" nose barb (6mm)

**Surface finish:** SF1 20 Ra  $\mu$ in (0.5  $\mu$ m Ra)



## SAMPLE COOLER ACCESSORIES: SAMPLE VALVE, SAMPLE HOSE, HOSE BARB ADAPTER

## ORDERING SCHEMATIC

(For use at sample cooler stream inlet, or a sanitary sample valve for any compatible process)

Model	—	Inlet Connection	—	Outlet Connection	—	Accessory	—	Finish

	Model
SV	Standard

	Inlet Connection
050	1/2" Tri-Clamp® (will mate 1/2" or 3/4" ferrule)
100	1" Tri-Clamp® (will mate 1" or 1-1/2" ferrule)

	Outlet Connection
050	1/2" Tri-Clamp® (will mate 1/2" or 3/4" ferrule)

	Accessory
0	None
K	Wing Nut Clamp & PTFE Gasket

	Finish
00	SF1, 20 Ra µin (0,5 µm Ra), Mechanical Finish
EP	SF5, 20 Ra µin (0,5 µm Ra), Electro-Polish

## ORDERING SCHEMATIC – SAMPLE HOSE

(For connecting clean steam or on WFI to sample cooler inlet)

Model	—	Size	—	Length

	Model
SH	Standard, FDA, USP Class VI PTFE Liner

	Size
050	1/2" 316 SST Tri-Clamp® / 5 Ra µin Electro-Polish

	Length
2m	2m Long, PTFE with 304SS braid, FDA white silicon outer
4m	4m Long, PTFE with 304SS braid, FDA white silicon outer

## ORDERING SCHEMATIC – SAMPLE ADAPTER

To adapt 1/2" Tri-Clamp® sample outlet to 1/4" hose, or act as spout

Model	—	Size	—	Accessory	—	Finish

	Model
SA	Sample Adapter

	Size
050	1/2" Tri-Clamp®

	Accessory
00	None
KT	Kit with Tri-Clamp® & PTFE Gasket

	Finish
00	SF1, 20 Ra µin (0,5 µm Ra), Mechanical Finish
EP	SF5, 20 Ra µin (0,5 µm Ra), Electro-Polish



**Steriflow, a division of Jordan Valve**  
 3170 Wasson Road • Cincinnati, OH 45209  
 513.533.5600 • 800.543.7311 • 513.871.0105 (f)  
 steriflow@richardsind.com • www.steriflowvalve.com

Steriflow Valve reserves the right to make revisions to its product, specifications, literature and related information without notice. Please visit our website at [www.steriflowvalve.com](http://www.steriflowvalve.com) for the latest information on our products.