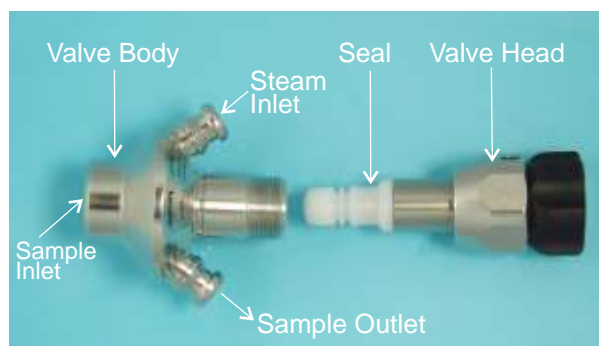


SteriSample

Sterile In line Liquid Sampling Valve

Sampling Systems offer the world's leading range in-line liquid sampling valves, from Keofitt. These valves are specially designed for sampling sterile and high quality liquid products. Whether you are sampling from a tank or from a pipe there is a valve to suit.

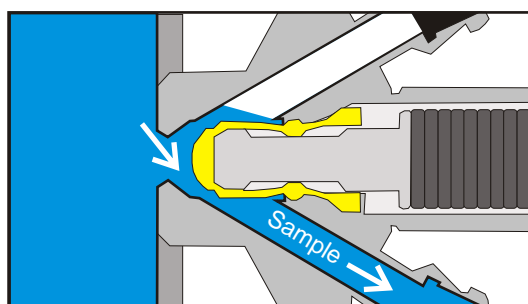
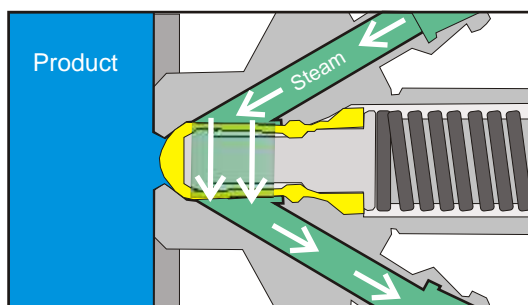
Keofitt valves are widely used throughout the pharmaceutical, bio-technology, brewing, dairy and food industries.



The valve comprises of:

- Valve Body: Welded in place at the sampling point
- Valve Head: Controls sample collection
- Seal: The product contact part of the valve head
- Connectors: For connecting pipework to the inlet and outlet ports of the Valve Body

How the Valve Works



1. Sterilise

The valve is in the closed position.

Steam is introduced from the upper leg and is passed through the valve body.

This design allows the valve to be easily sterilised before and after each sample.

2. Take the Sample

The steam inlet is sealed off and a means of collecting the sample is attached the outlet.

The valve is then opened and the sample is able to flow from the pipe (or tank) through the valve and into the sample collecting vessel.

Note: A small volume of liquid will flow up the steam inlet pipe. This will be washed away when the valve is next sterilised.

Construction Standards

- Valves are authorised to use the 3-A symbol
- Manufactured from 316L stainless steel
- Interior of valve body & hose pieces are polished to Ra 0.5µm (Ra 0.2µm if electro-polished)
- Seals made from FDA acceptable polymers

Ideal for taking physical, chemical and micro-biological samples

Build your own Sampling Valve

Step 1 - Choose your Valve Body



Maxi valve body for welding on to a tank

Valve bodies come in two sizes, the size of choice will depend upon the viscosity and particle sizes within your product.

SteriSample Mini

Viscosity 0 - 500 cP
Max particle size 2mm

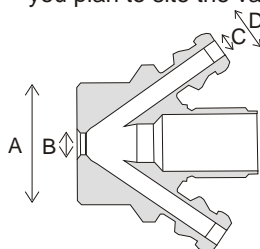
SteriSample Maxi

Viscosity 0 - 1000 cP
Max particle size 4mm

Please contact us if your liquid is more viscous than above

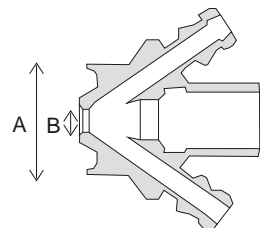
There are two designs of valve body - your choice will depend upon where you plan to site the valve

Body Style 1 - for welding on to Tanks



Part No.	Size	A	B	C	D
4560T-1	Mini	28mm	5mm	4mm	10mm
4560T-2	Maxi	28mm	8mm	9mm	14mm

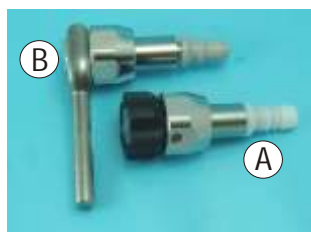
Body Style 2 - for welding on to Pipes



Part No.	Size	A	B	C	D
4560P-1	Mini	25mm	5mm	4mm	10mm
4560P-2	Max	25mm	8mm	9mm	14mm

Step 2 - Choose your Handle

There are two styles of handle. All handles will fit all valve bodies. The handle screws into the valve body.



(A) Standard Handle
Rotate knob to open/close valve

(B) Safety Handle
Removable key to prevent unauthorised sampling

Part No.	Description	Body Size
4560H-1	Standard Valve Head (A)	Mini
4560H-2	Standard Valve Head (A)	Maxi
4560H-3	Safety Valve Head (B)	Mini
4560H-4	Safety Valve Head (B)	Maxi

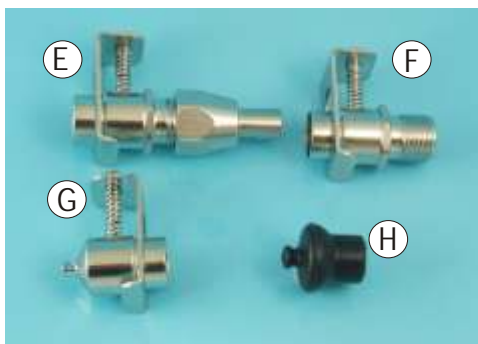
Step 3 - Choose your Seal



The seal fits on the end of the handle piece. Seals are available in either PTFE (white) or silicone (grey).

Part No.	Description	Body Size
4560S-1	PTFE seal (D)	Mini
4560S-2	PTFE seal (D)	Maxi
4560S-3	Silicone seal (C)	Mini
4560S-4	Silicone seal (C)	Maxi

Step 4 - Choose the Connectors



- Range of quick release connectors and blind ends for use with the valve bodies

	Mini Part No.	Maxi Part No.
E - Quick release connection for ss pipe	4560C-1	4560C-2
F - Quick release connection for PTFE pipe	4560C-3	4560C-4
G - Stainless Steel Plug- blind end	4560C-5	4560C-6
H - Rubber cap - blind end	4560C-7	4560C-8