Staitech

HSV40/HSV50
Installation and Maintenance Instructions

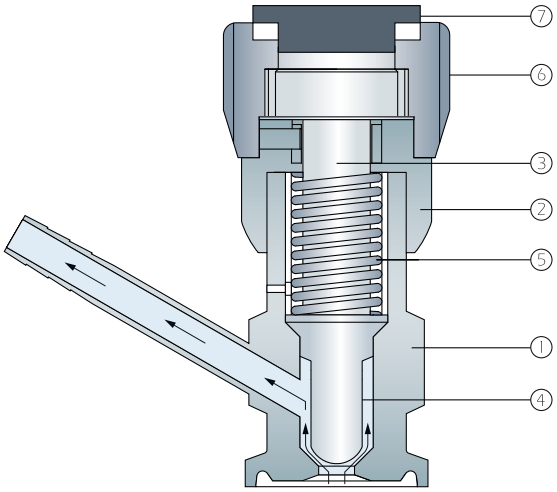
HSV40/HSV50 sample valves
The HSV40/HSV50 sample valves are designed for use in high purity liquid sampling applications. The maximum temperature/pressure rating for both valve types is 150°C/8barg.
The HSC40 valve is designed to be fitted to 1/2" and 3/4" Tri-Clamp compatible fittings.
The HSV50 valve is designed to be fitted to 1" and 1-1/2" Tri-Clamp compatible fittings.
Both valve types are available with either a PTFE or Silicone membrane.

Installation
Both valve types may be installed in any orientated. In order for either valve type to fully drain, they should be installed in the horizontal with the sample outlet facing downward.

Operation
1. The valve is closed with clockwise rotation of the valve handle. The spring provides the closing force, so the handwheel will appear loose when the valve is fully closed.
2. The valve is opened by rotating the handle counter-clockwise. Flow is regulated by adjusting the degree of valve opening.

Maintenance
The valve membrane may replaced following the procedure below:
1. Holding the valve body (1), unscrew the head assembly (6).
2. For valves fitted with a PTFE membrane unscrew the membrane (4) from the valve stem (3). For Silicone membranes remove the membrane (2) from the valve stem (3) by gently pulling the membrane.
3. Fit the replacement membrane. For a PTFE membrane gently screw the membrane onto the stem.
4. Refit the head assembly, tightening with a suitable wrench.
6. Pressure test the valve to ensure seat tightness.

Caution: Ensure that the valve is cool and has been relieved of pressure prior to removal or inspection.
Note: The valve stem is different for both types of membrane. Like-for-like membranes may only be fitted.



Part		Material
1	Body	316L stainless steel
2	Cover	316L stainless steel
3	Stem	316L stainless steel
4	Membrane	TFM-PTFE or Silicone
5	Spring	Stainless steel
6	Handle	PTFE
7	Handle insert	Stainless steel
-	Dust cap	Silicone

Available spares
Membrane (4)

Staitech
Staitech Ltd · PO Box 152 · Stroud
Glos · GL6 8YT · UK
Tel: +44 (0) 1543 882736 · Fax: +44 (0) 1543 882744
E-mail: sales@staitech.com · Web: www.staitech.com