

TRAPPING/FLOW-THROUGH FLOWPATH - STF CONFIGURATION LOW PRESSURE SELECTORS

Technical Note 714

FIGURE 1: Valve body

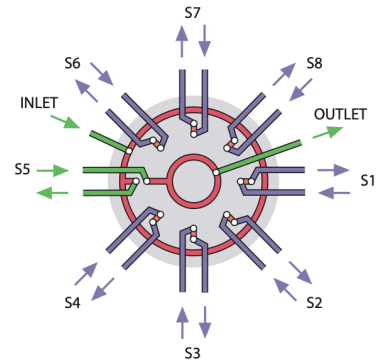
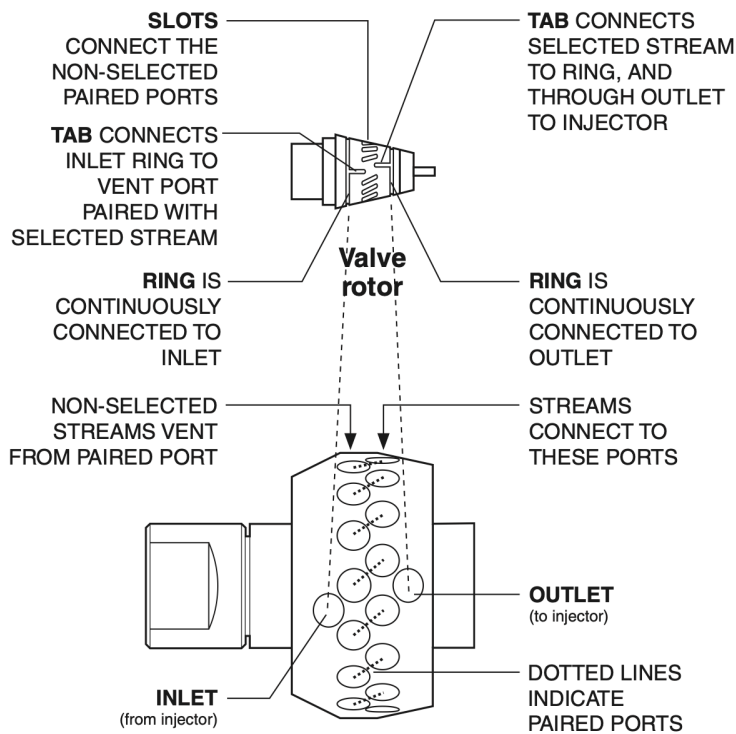


FIGURE 2: As installed on Electric Actuators

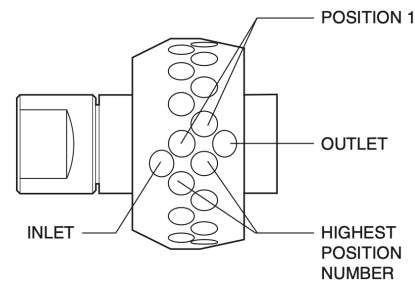
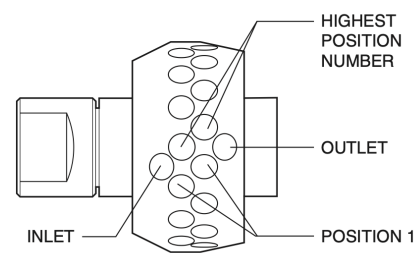


FIGURE 2: As installed on Air Actuators



The CSTF (1/16") or STF (1/8") selector is a variation of the ST flowpath, with the single difference that the non-selected streams are returned to their own vents or sources rather than being dead-ended or trapped as they are in the standard ST configuration.

Watch an animation of the STF selector flowpath at vici.com:



SAMPLE TRAPPING WITH CONTINUOUS FLOW TO INDIVIDUAL OUTLETS

The STF selector is a variation of the ST flowpath, with the single difference that the non-selected streams are returned to their own vents or sources rather than being dead-ended or trapped as they are in the standard ST configuration. This is ideal for reactor processes in which removal of substantial amounts of sample would upset the equilibrium within the reactor, or if the stream is toxic or noxious and must be isolated.

An STF selector on an air or electric actuator along with a similarly equipped 6 port valve comprise a complete sampling system for the automated analysis of up to 16 sampling points.

Watch an animation of the STF selector flowpath at vici.com:



ADDITIONAL TECHNICAL NOTES

Technical notes related to cleaning and rotor replacement and to proper valve/actuator alignment can be found in the Support section of vici.com.

TECH TIP

Because the most common cause of valve failure is stray particulates entering the valve, we strongly recommend the use of in-line filters at sample entry points.

Our ZUFR filters feature inexpensive and easily replaceable low pressure drop filter screens (2 or 10 micron). The filters are available in 1/16", 1/8", and 1/4" standard, reducing, and bulkhead versions.

APPLICATION - STF FLOWPATH

