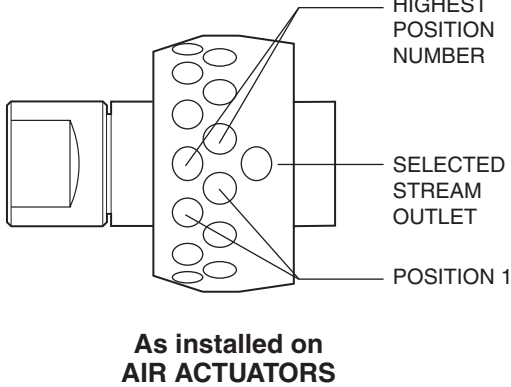
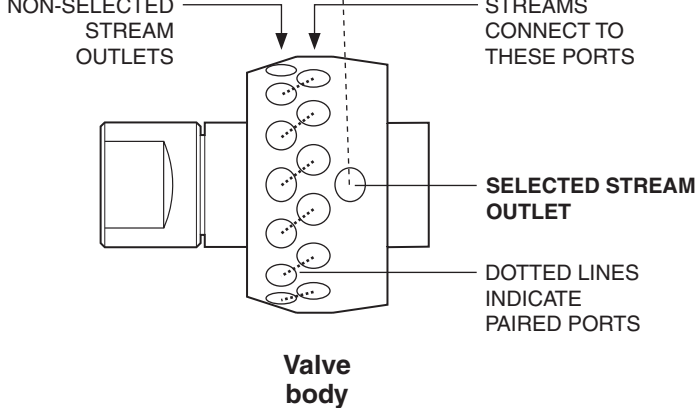
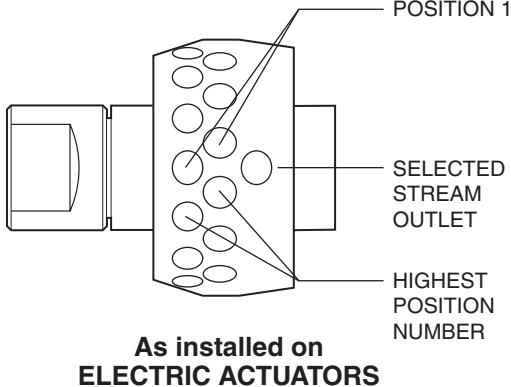
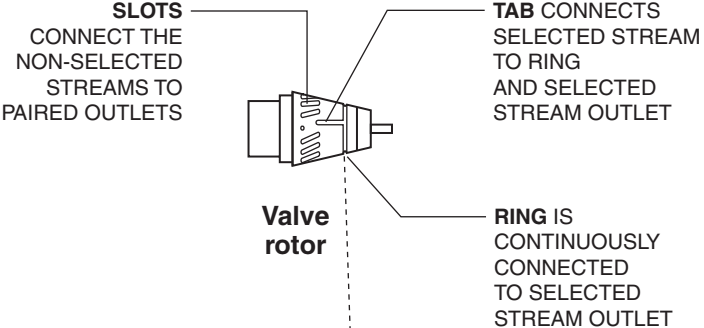
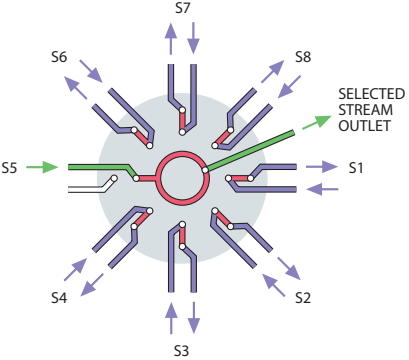




Flow-through Flowpath

SF Configuration

Valco low pressure selectors

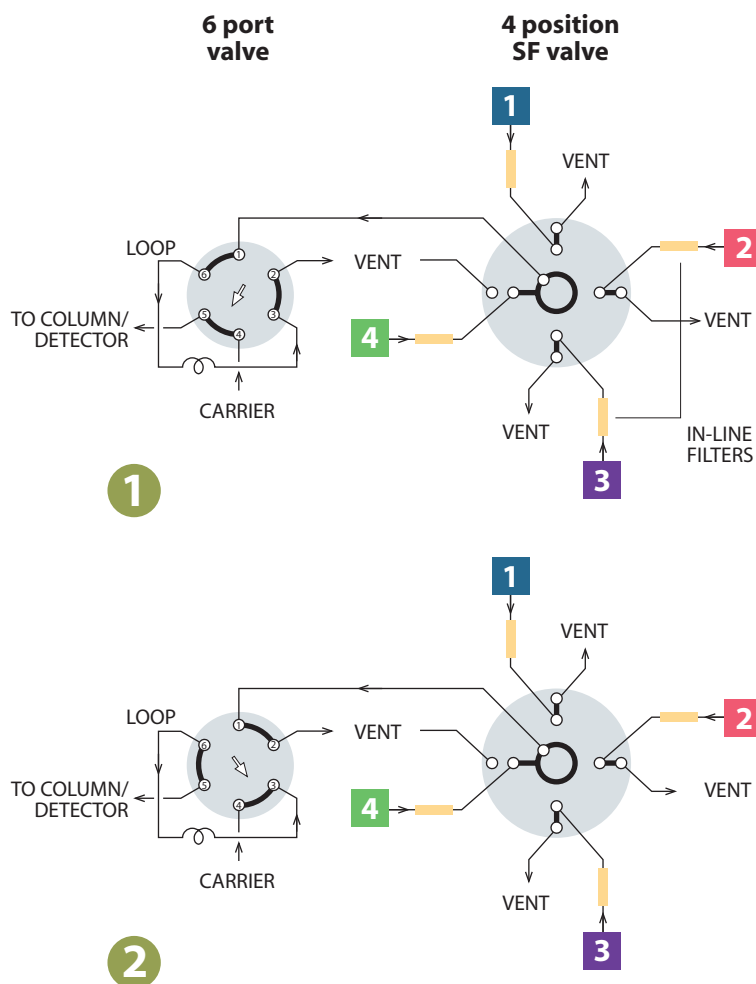


CSF (1/16") and SF (1/8") selectors select one of 4 to 16 streams and send it to the outlet. The non-selected streams flow through individual outlets.



Watch an animation of the SF selector flowpath at vici.com

APPLICATION – SF FLOWPATH



STREAM SELECTION WITH CONTINUOUS FLOW TO INDIVIDUAL OUTLETS

SD and SC valves select and isolate one of 4 to 16 streams, with the remainder dead-ended in the SD and flowing to a common outlet in the SC. The SF selector is similar, but carries the evolution a step further with the non-selected streams flowing through individual outlets.

This is the ideal solution when reactions or process streams with differing upstream pressures must be analyzed, and can also provide independent containment of toxic or noxious streams. An SF selector together with a 6 port sampling valve and pneumatic or electric actuators comprise a complete sampling system for the automated analysis of up to 16 sample points.

Note that streams 1 and 4 are vented while streams 2 and 3 are returned to their sources in this example.

Mode 1 shows sample loading from stream 4, while mode 2 shows sample injected onto the analytical column.



Watch an animation of the SF 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.

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