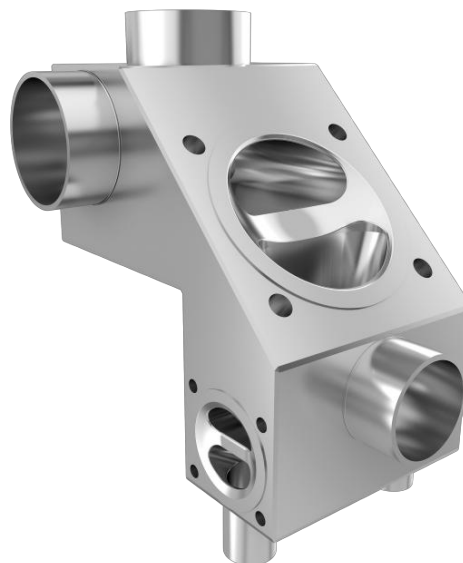


Multi-port Diaphragm Valve, Forged stainless steel body

- Fully machined from SS 316L bar-stock
– no welded components
- Increased security – no internal fabrication welds
- Reduced dead leg – based on orientation
- Greater structural integrity
- Fewer fittings, welds and radiographic inspections
- Ease of installation along with lesser space requirement and reduced cost
- Improved process efficiency
- Shorter CIP cycle
- Enhanced cleanability
- Fully Autoclavable
- Various internal surface finish available each with less than 0.40 Ra



Multi-port valve can combine many different functions in the smallest of spaces due to their design such as mixing, dividing, sampling, diverting, discharging, automatic switching etc.

During these different functions, various important tasks are assigned to multi-port valve such as sampling, clean steam access (SIP), cleaning solution access (CIP), flow control, product transfer and other critical functions within the scope of automation.

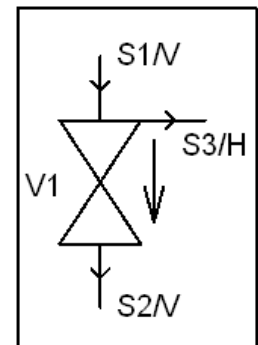
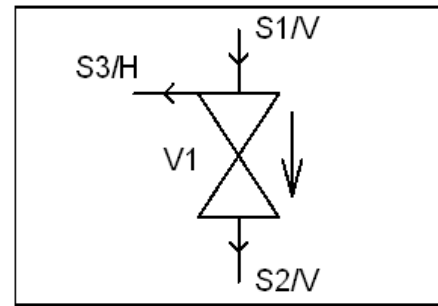
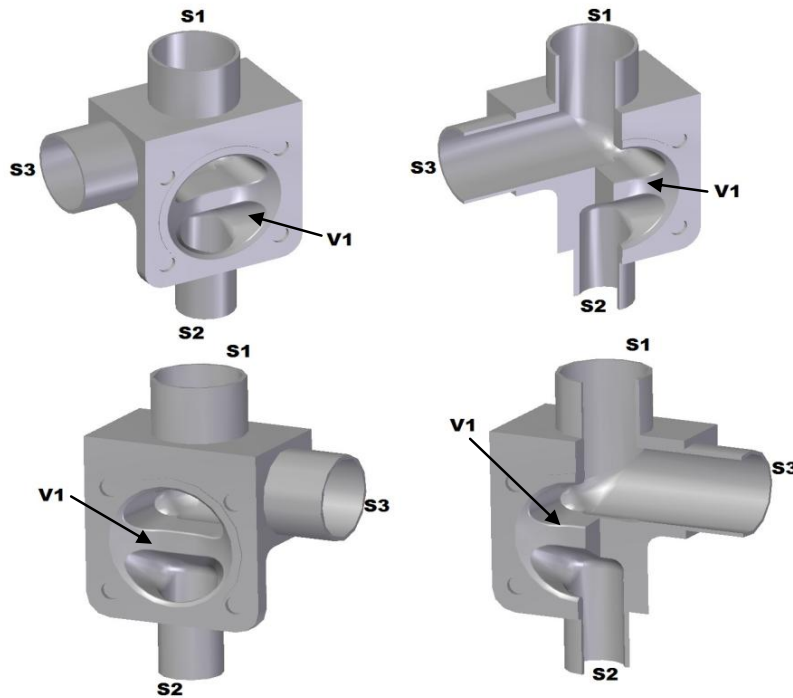
All these functions can be handled repeatedly and reliably by Multi-port valve to provide process security. The multi-port valve, controlled by a PLC or other control device, can feed different pipelines.

Technical Data

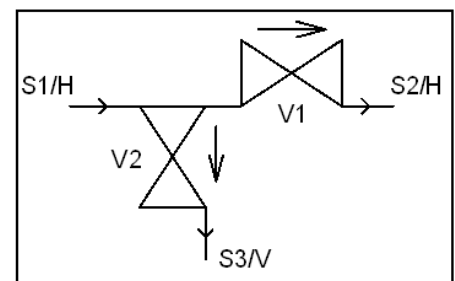
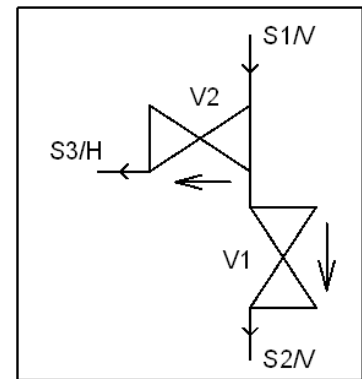
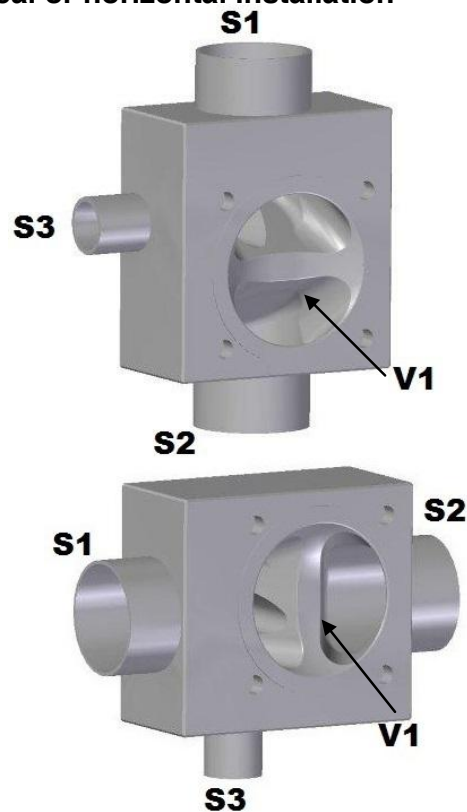
MOC – Wetted (Contact)	Stainless Steel 316L	
MOC – Non-wetted (Non- contact)	Polyamide or ASTM A351 CF8 (SS 304)	
Seal material	EPDM, PTFE	
Media	Neutral gases and liquids, high purity, sterile, aggressive or abrasive fluids	
Viscosity	Up to viscous	
Surface finish	Mechanical or Electro Polish	
Media temperature	EPDM	-10°C to +75 °C
	PTFE	-10°C to +90 °C
Ambient temperature	Up to +90 °C	
Sterilization temperature	EPDM	Briefly up to +130 °C
	PTFE	Briefly up to +150 °C
End connections • V-band (Hygienic) Clamp • Butt-Weld	ASME BPE - EN ISO 1127/ISO 4200 and BS 4825 are available on request	
Installation	Available positions – Vertical and horizontal	

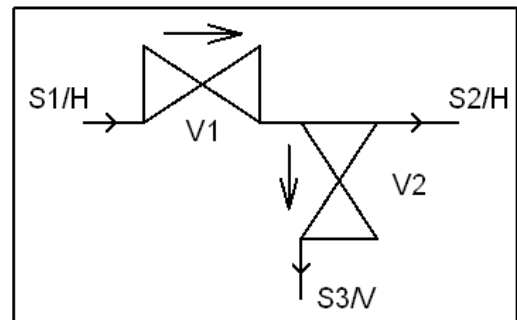
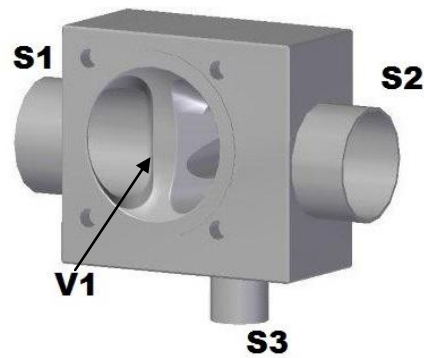
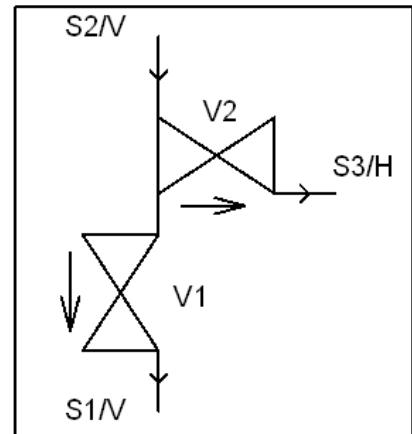
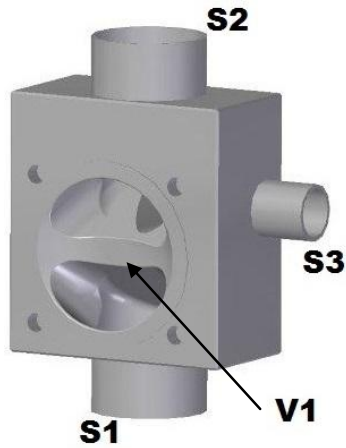
Series MP

Model S03V01A0 - 90° T-valve with horizontal access port

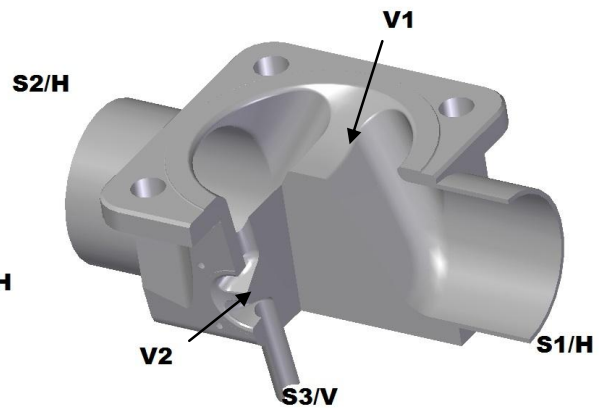
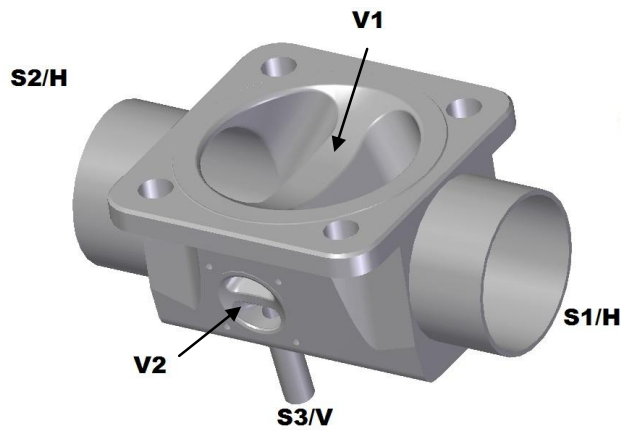
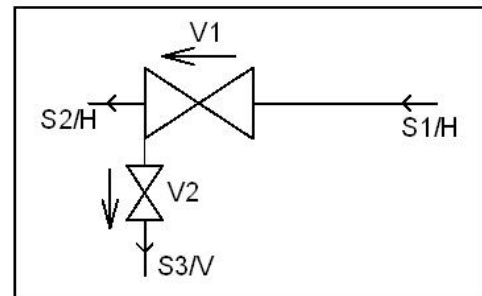


Model S03V02A0 - 2-way valve with integrated, upstream or downstream SAP/GMP valve, vertical or horizontal installation





Model S03V02B0 - i-Valve with downstream sampling

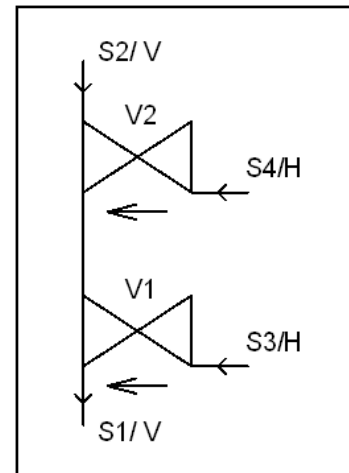
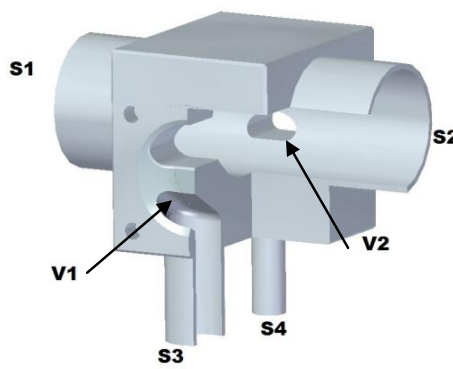
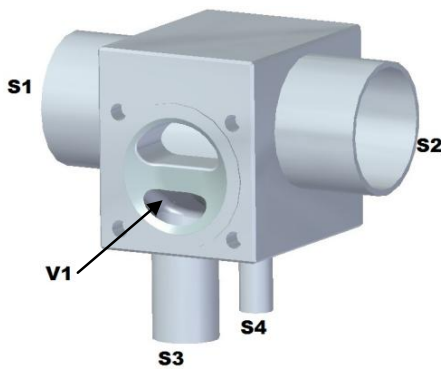
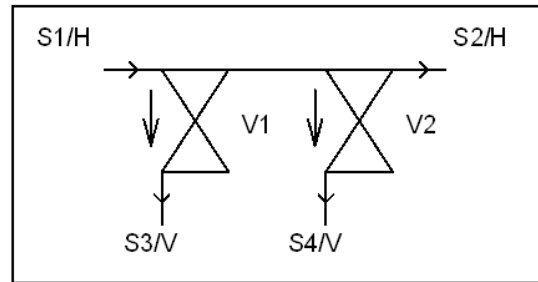


Model S04V02AL/R - Zero static back to back dual T-valve block, distribution or collection, vertical or horizontal installation

Model S04V02AL

Horizontal seat: S3/S4 positioned at the left side of the cavity

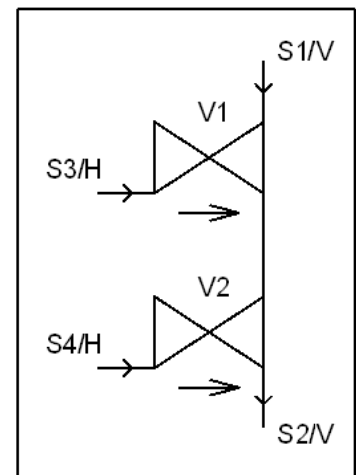
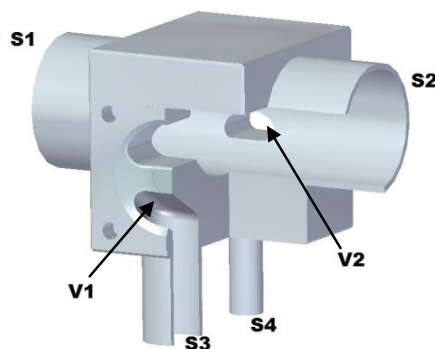
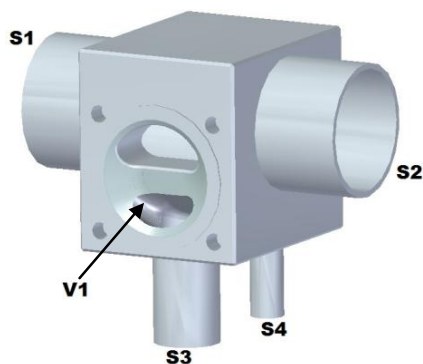
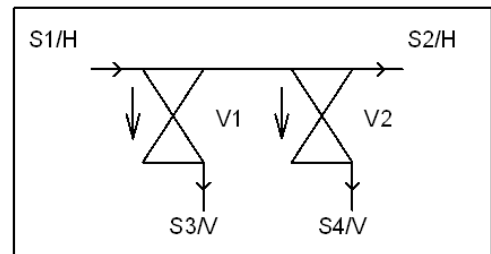
Vertical seat: S3/S4 positioned to the left of the seat



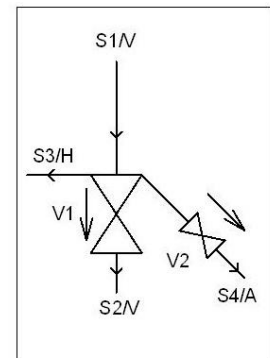
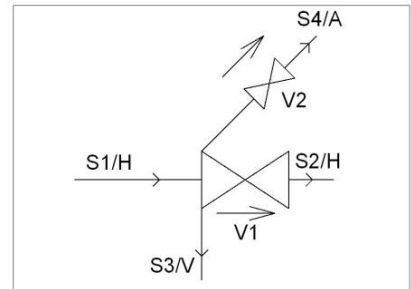
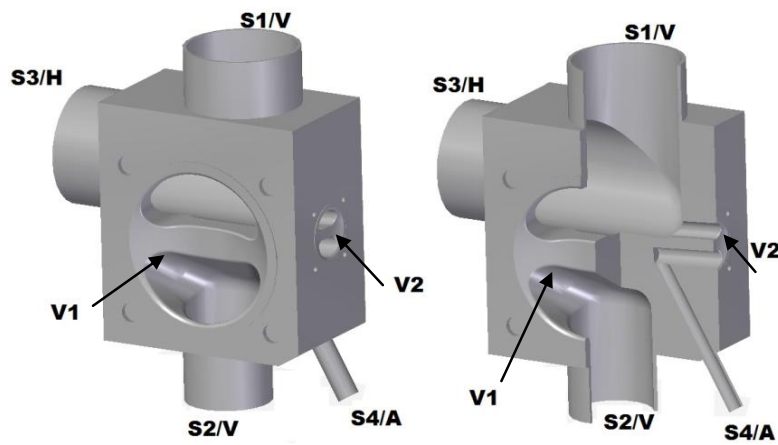
Model S04V02AR

Horizontal seat: S3/S4 positioned at the right side of the cavity

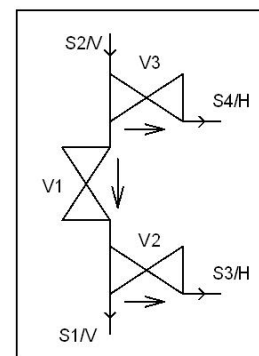
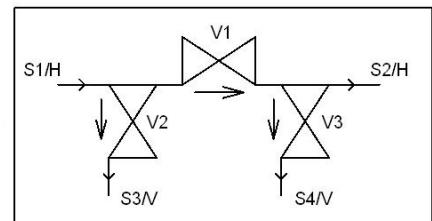
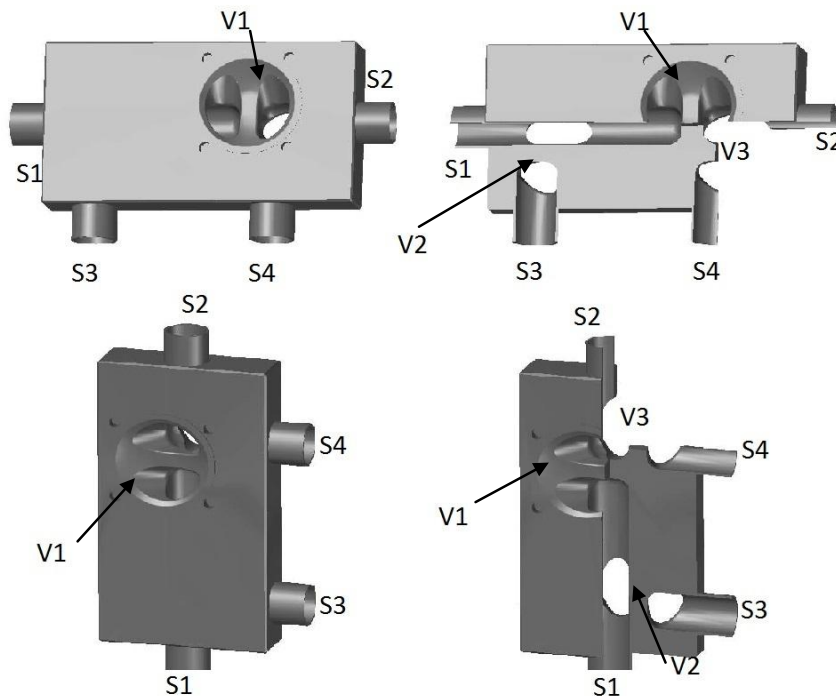
Vertical seat: S3/S4 positioned to the right of the seat



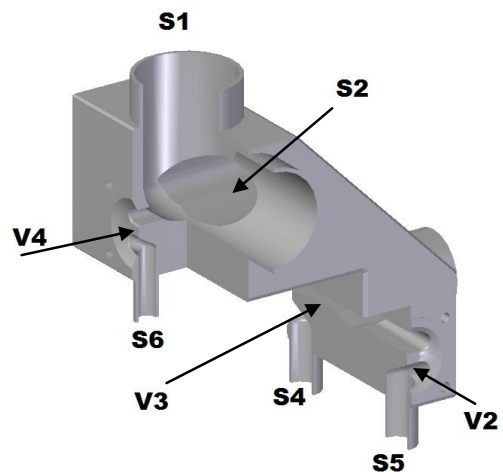
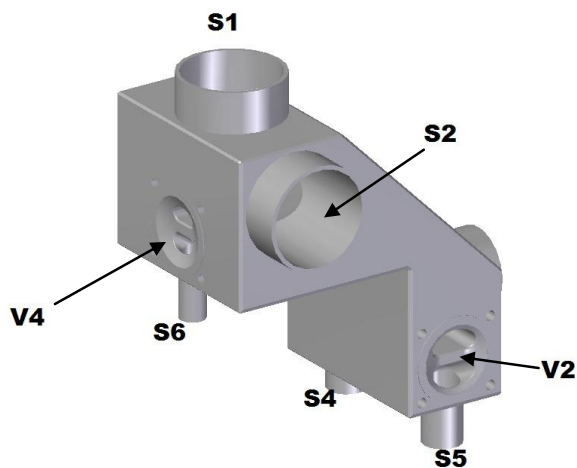
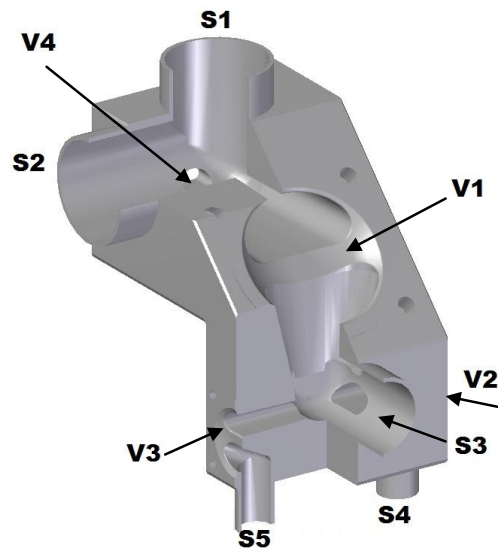
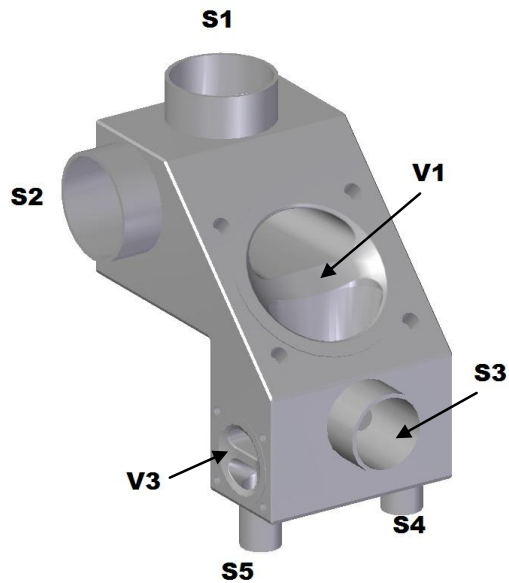
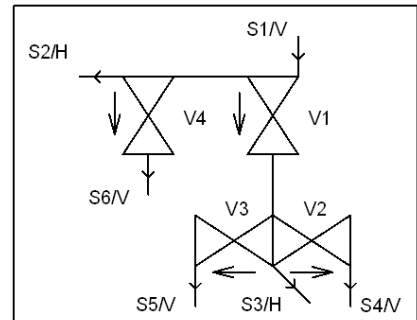
Model S04V02B0 - 90° T-valve with horizontal access port and separate upstream sampling



Model S04V03A0 - Isolation valve block with upstream and downstream access valves



Model S06V04A0 - 4 seat point of use valve block with horizontal outlet, separate upstream sampling, downstream CIP and SIP access valves, option of actuators available on front and sides



User Specification Sheet

Please complete this form and send to your nearest Leistung Representative or to the address listed below

Working Pressure: _____ Bar(g)

Media temperature: _____ °C

Non-wetted Parts:

Polyamide ☐

Stainless Steel ASTM A351 CF8 (SS 304) ☐

Seal Material:

PTFE ☐

EPDM ☐

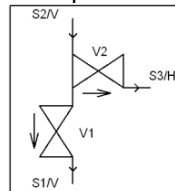
Surface Finish:

Mechanical Polish ☐

Electro Polish ☐

Quantity:

Example:



Draw P&ID Diagram or sketch of process
Complete all parts of this form

Model: S03V02A0, ...

Connection: S1, S2, ...

Desired orientation: **Horizontal / Vertical**

Flow Direction:

Draining Direction:

Valve Controller:

Connection	End Connection (ASME BPE, BS 4825 etc.)	Connection Size (DN)	Controller		Comments
			Controller Type	Control Function	
S1					
S2					
S3					
S4					
S5					
S6					
S7					
S8					
S9					
S10					
S11					
S12					

Your Name: _____
 Department: _____
 Company Name: _____
 Address: _____
 Phone (O): _____ Phone (M): _____
 Fax: _____ E-mail: _____

How do I tell Leistung what kind of Series MP multi-port valves I want?

Please fill following details in User Specification Sheet:

1. Enter the operating conditions.
2. Specify desired material for non-wetted parts.
3. Specify desired material for seal.
4. Specify desired surface finish requirements.
5. Specify what functions the multiport valve should fulfill.
6. Draw the P&ID diagram and/or make sketch of desired process in the specification sheet. You can also use the examples shown in this catalogue as a guide.
7. Label all connection / connections with S1, S2, ...
8. Specify size and end connection details for all connection / connections in the table.
e.g. If you want a DN 40 ASME BPE
9. Specify desired controller (Manual / Pneumatic) and control function (NO/NC/DA) in case of pneumatic actuators for every connection.
10. Assign the necessary features to every connection in the table and add explanatory remarks if necessary.
11. If you want to add any remarks or descriptions, use an additional sheet.

Please use separate sheets for each valve.

Why Leistung needs all these details?

Series MP multi-port valves become most economic when we consider the entire cost of plant, operation, maintenance and validation. This advance concept provides functional benefits in Design, installation, validation, commissioning and operations by use of its superior design.

The design of these valves starts with understanding the process requirements and then its conceptualization. Most processes are complex in nature and there are varieties of solutions available that can satisfy its requirements. We at Leistung, wants to ensure that the valve you receive from us is the optimally best solution for your requirements. Therefore, it becomes very important for us that you provide all relevant details of the application to us at the earliest stage of the project. Our user specification sheet works as the best format through which you can specify all of your requirements.

Contact : sales@bioprocessparts.com

For further diaphragm valves, gaskets, compatible actuators & accessories and other products, please contact us for pricing.