TAKASAGO
STV & EXV Inert Valve Manifold Designs
Solenoid Operated, PEEK or PTFE, 0.8 or 1.0 mm Orifices

DESCRIPTION

Model STV and EXV manifold designs offer an integrated solution to reducing plumbing and internal volume in automated chemistry applications.

The valve designs have all inert wetted parts. Unique Takasago design features such as low pumping volume, Ventiduct and Soft Seal can be incorporated into a manifold design depending on the application. Individual valves can be field replaced.

As most manifold offerings are generally unique to individual customer needs the following specifications are only intended to give a reasonable idea of performance.

STV 12 VALVE MANIFOLD
12 INLETS, COMMON OUTLE

STV

3 , 4, 6,12 two way normally open or normally closed valves on a common block with individual valve inlets/outlets connected to a common outlet/inlet. Features include field replaceable valves, zero internal volume option and particle tolerant Soft Seals.

EXV

3 to 12 two way valves mounted in line on a common manifold block. Features include field replaceable valves, Ventiduct and particle tolerant Soft Seals.

STV 4 VALVE MANIFOLD
4 INLETS, COMMON OUTLE

	STV		EXV
Rated Voltage-	12Vdc or 24Vdc		
Power Consumption-	1.7 W/valve		1.2 W/valve
Orifice Diameter-	1.0 mm		0.8 mm
Fluid Connection-	1/4-28 thread		
Media Temp Range-	0-60°C		
Ambient Temp Range-	0-60°C		
Max Operating Pressure In-	2.5 bar		1.0 bar
Max Operating Pressure Out-	0.5 bar		1.0 bar
Response Time-	6-8 msec		
Operating Life-	minimum 10 million cycles		
Coil Temperature Rise-	60°C above ambient		47°C above ambient
Solenoid Housing-	chrome steel		
Duty Cycle-	continuous		
Insulation Class-	Class E		Class B
Insulation Resistance-	50Mohm at 500Vdc		
Dielectric Strength-	1500Vac/60 seconds		
Valve Body Material-	PTFE or PEEK		
Isolating Diaphragm Material-	PTFE		
Valve Seat Seal-	PTFE or Perfluor		

Please call or write with your requirements, we will respond with drawing work, performance and commercial details.

EXV 4 VALVE MANIFOLD
4 INLETS, COMMON OUTLET