

SwitchEZ™ Solenoid Media Isolation Valves



The SwitchEZ™ media solenoid isolation valve is a solenoid-operated device, which uses a flexible diaphragm to isolate liquid flow in the fluid path. The valve body part and the actuator part are separated by a diaphragm. Therefore, so the fluid in the flow does not contact with the metal parts of the valve. The wetted materials are PTFE. Custom designs are available with a variety of wet materials, such as PEEK, PPS, etc, which are proven to be compatible with a wide range of sensitive or corrosive liquid or gas media. These isolation valves are compact and highly inert. So these valves are ideal for use with corrosive media. Also, it is very easy to integrate into any complex or demanding system.

The isolation valves are commonly used for many applications, including those that require precise, repeatable dispensing of media for bio-Instrumentation, analytical instrumentation, clinical diagnostic analyzers, etc.

Valve customization is also available upon request.



Benefits

High Performance



- Fast switching time
- Fast response time
- High cycle life

Cost Effective



- Excellent for sanitary and pharmaceutical applications
- Compact design with low operational noise

Custom Design & OEM



Media Isolation Valves Selection Guide



Naming rule

$\frac{IVXX}{1} \frac{XX}{2} \frac{XX}{3} - \frac{XXX}{4}$

1	Series	IV20, IV25
2	Flow Pattern	NC: 2-way, normally closed T: 3-way valves
3	Voltage	12: 12VDC 24: 24VDC
4	Orifice Size	32: 0.032"(0.8mm) 62: 0.062"(1.57mm) 125: 0.125"(3.17mm) XX: custom size

2-way Normally Closed Valves

Catalog #	Orifice	Flow Coefficient Cv	Max. Pressure	Voltage	Wattage @ 21°C	Internal Volume
IV20NC12-32	0.032"(0.8mm)	0.011	20 PSI	12VDC	2.8W	19 uL
IV20NC24-32	0.032"(0.8mm)	0.011	20 PSI	24VDC	2.9W	19 uL
IV20NC12-62	0.062"(1.57mm)	0.030	20 PSI	12VDC	2.8W	54 uL
IV20NC24-62	0.062"(1.57mm)	0.030	20 PSI	24VDC	2.9W	54 uL
IV25NC12-125	0.125"(3.17mm)	0.105	10 PSI	12VDC	4.0W	296 uL
IV25NC24-125	0.125"(3.17mm)	0.105	10 PSI	24VDC	4.0W	296 uL

3-way Valves

Catalog #	Orifice	Flow Coefficient Cv	Max. Pressure	Voltage	Wattage @ 21°C	Internal Volume
IV20T12-32	0.032"(0.8mm)	0.010	15 PSI (NC/NO) 20 PSI (com)	12VDC	2.8W	19 uL
IV20T24-32	0.032"(0.8mm)	0.010	15 PSI (NC/NO) 20 PSI (com)	24VDC	2.9W	19 uL
IV25T12-62	0.062"(1.57mm)	0.028	30 PSI (NC/NO) 60 PSI (com)	12VDC	4.0W	54 uL
IV25T24-62	0.062"(1.57mm)	0.028	30 PSI (NC/NO) 60 PSI (com)	24VDC	4.0W	54 uL