TAKASAGO

EXAKN Inert Isolation Valve

Solenoid Operated, Two Way & Three Way

DESCRIPTION

Model EXAKN isolation valves are very small in size with negligible internal volume.

The valves incorporate a perfluoroelastomer soft valve seat (retainer) which is resistant to damage caused by foreign particle matter.

EXAKN is ideal for automated chemistry applications where the goal is to minimize reagent and sample waste.

SPECIFICATIONS

GENERAL

Rated Voltage- 12Vdc or 24Vdc

Min. Operating Voltage- 90% of rated

voltage

Drop Out Voltage- 10% of rated voltage

Power Consumption- 1.2 Watts Operating Duty- Continuous Operating Life- 10,000,000 cycles

Coil Temp. Rise- Max 47°C from room temp.

Solenoid Housing-Chrome steel

Orifice Diameter- 0.8 mm

Internal Volume, Barb - IN:12µl; NC, 13µl; NO,11µl Internal Volume, Thread - IN:15µl; NC, 16µl; NO,14µl Operating Pressure- IN, -300mmHg to 3.0 Bar;

OUT, 1.45 Bar

Media Temperature Range- 0-60°C Ambient Temperature Range-0-60°C

Insulation Class- Class B

Insulation Resistance- min 50 Mohm at 500 Vdc

Dielectric Strength- 1500 Vac/1 minute

Lead Length- 150 mm, A.W.G. 28 Teflon coated

Port Connection- Hose barb or threaded

Valve Body Material & Stopper- ETFE

Isolating Diaphragm Material-PTFE

Valve Seat Seal Material- Dai-el Perfluor

Spring Case- PVDF

Weight- 24 grams(2-way)

ORDERING INFORMATION

EXAKN - ABCD

EXAMPLE: EXAKN-E2S24V

A	B	C	D
Configuration	Connections	Mounting	Voltage
C=2-way, NC O=2-way, NO E=3-way	1=M5 2=Barb		12V=12Vdc 24V=24Vdc



DIMENSIONS (MM)

