

2-Way Media Separated Solenoid Valves

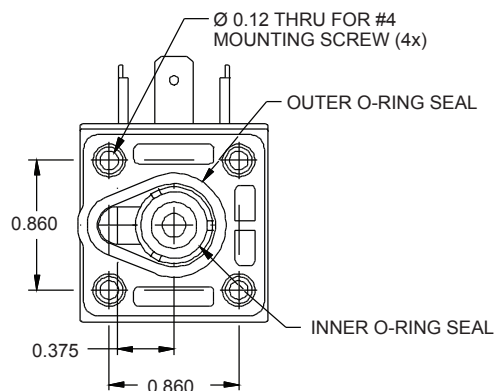
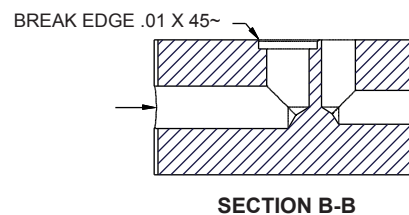
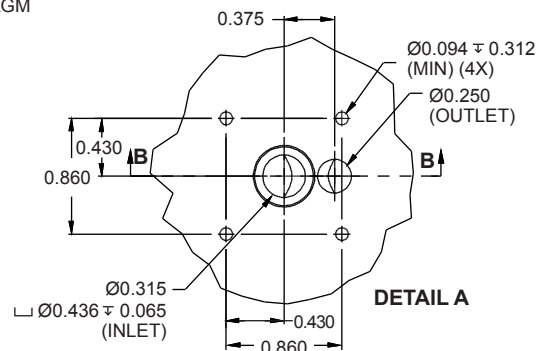
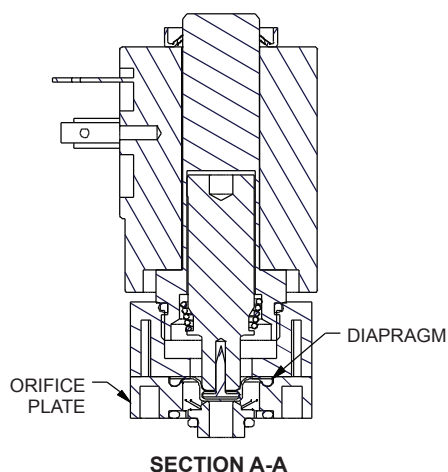
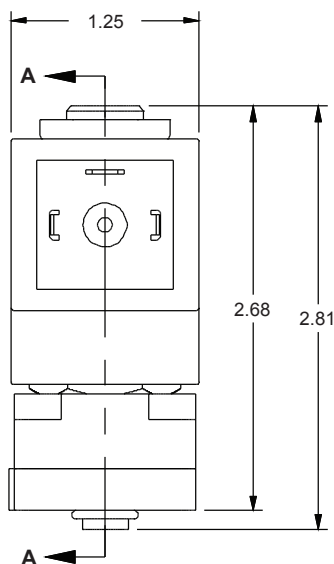
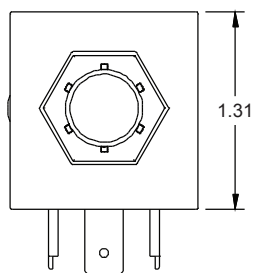
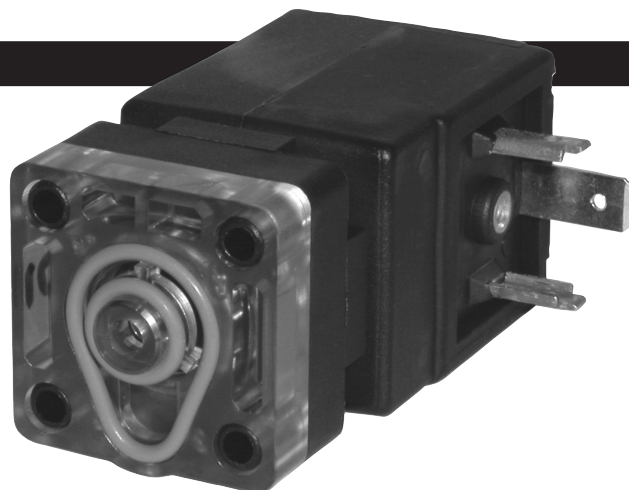
Series 4BKR



The Spartan Scientific 4BKR is a 2-way, 2-position media separated solenoid valve that is used for the control of ultra pure or corrosive media that would otherwise cause premature failure on wetted type solenoid valves. Featuring the Spartan Scientific low volume valve cavity and the rolling diaphragm, the 4BKR has no convolutions for chemicals to congregate or dead spots for flow. The all encapsulated coil, stainless tube and plunger assembly are designed for a long trouble free life. Also featuring a quick connect interface, the valve can be mounted in a gang style on a manifold block by using four fasteners and two o-rings. The valve is available in Normally Open and Normally Closed functions, with orifice ranges from 2.4mm to 5.0mm and boasts Cv ranges from .245 to .63.

Dimensional Data

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



SPARTAN SCIENTIFIC

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Series 4BKR

2-Way Media Separated Solenoid Valves

Technical Data

Function: 2-way, 2-position normally closed or normally open, media separated, direct acting

Orifice Size / Flow Factor (Cv):
2.4 mm / 0.245
3.0 mm / 0.315
4.0 mm / 0.520
5.0 mm / 0.630

***Pressure Range:** 15" Hg Vacuum to 150 psi (depending on orifice size)

Temp. Range: (Fluid max 90 C) Ambient -10° C to +55° C

Response Time: 20 to 40 ms complete cycle

Materials in Contact with Fluid: Orifice Plate: Ultem 1000
Diaphragm: EPDM (standard)
(Viton and Nitrile available on request)
Seals: FDA Approved Silicone
(Viton, EPDM, Nitrile available on request)

Additional Materials: Armature Assembly: 300 and 400 Series Stainless Steel
Operator Cavity: DuPont Zytel GF Nylon
Coil Encapsulation: DuPont Zytel GF Nylon
Operator Nut: Zinc-plated Steel
(Stainless steel available on request)

Mounting: 4, 0.125 dia holes as shown for #4 pan-head screw

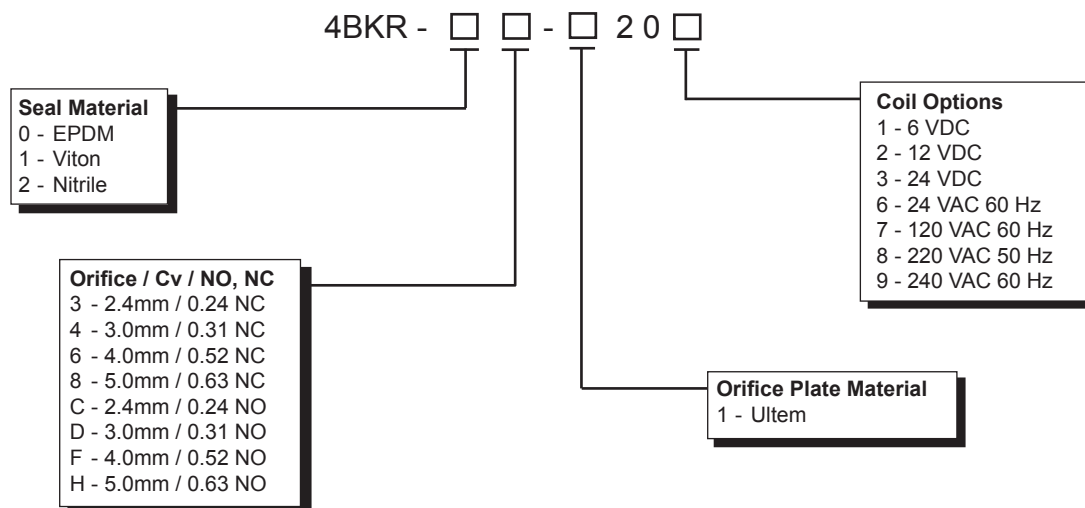
Coil Data: Encapsulation Class: F
Windings Class: H
Duty Cycle: Continuous
Voltage: 6, 12 and 24 VDC
24/60 Hz, 120/60 Hz, 220/50 Hz, 240/60 Hz VAC
Voltage Tolerance: +/-10% Nominal
Power Rating: VDC 10W, VAC 8W

FUNCTION	VOLTAGE							
	2.4mm		3.0mm		4.0mm		5.0mm	
	AC	DC	AC	DC	AC	DC	AC	DC
2/2 NC	150	120	75	60	55	45	30	20
2/2 NO	80	75	60	55	45	40	35	40

*MAX. PRESSURE RANGE (psi)

*Note - Maximum allowable back pressure is 20 psi regardless of voltage.

How To Order



Order Example: 4BKR-03-1207
Series 4BKR, EPDM,
2.4mm / 0.24Cv, NC,
120 VAC 60 Hz