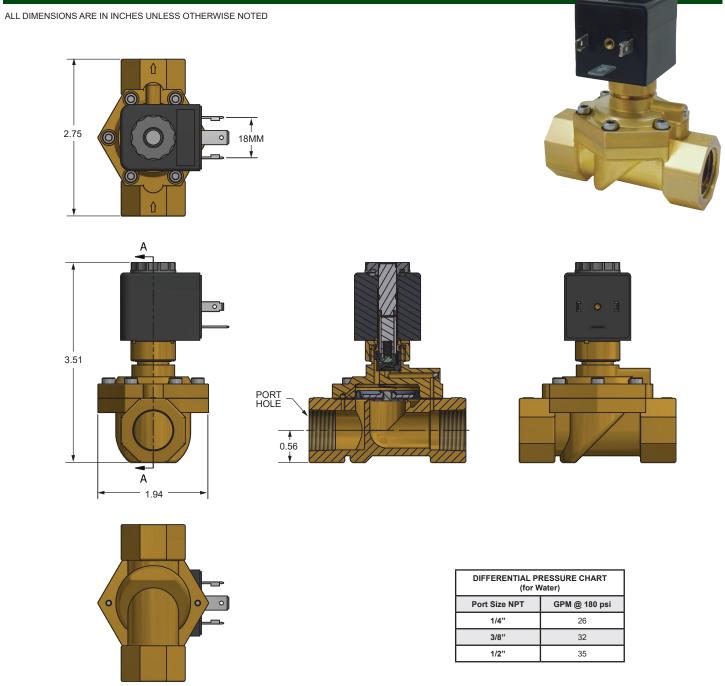


The Spartan Scientific Series 3516 2-Way, 2-Position Normally Closed or Normally Opened solenoid diaphragm process valve offers the highest flow for the smallest overall size in its class as compared to competitive units. The valve is designed from the ground up using modern design technologies and materials. The potable water brass body is media compatible, rugged and virtually indestructible. The body is available in 1/4", 3/8" and 1/2" NPT. The low wattage solenoid features a DIN Style "A" EN175301-803 (Formerly DIN 43650) electrical interface and is nylon encapsulated. FKM, EPDM and NBR are standard elastomers and the operators are made of stainless steel / brass or stainless steel / brass with copper shading rings for AC versions. Typical applications include control of inert gases, water and compatible fluids.

Dimensional Data





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PROCESS

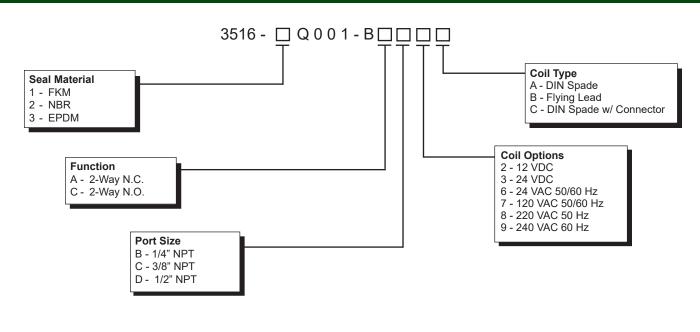


Series 3516

Technical Data

Function: Port Size:	2-Way, 2-Position; Internal Pilot Solenoid Operated; Normally Closed or Normally Open 1/4" NPT / 26 GPM 3/8" NPT / 32 GPM 1/2" NPT / 35 GPM	Wetted Materials:	Elastomers: EPDM NSF, FKM FDA, NBR Operator: 300 and 400 Series Stainless Steel Shading Ring: Copper (Others available on request. AC only) Springs: 300 Series Stainless Steel Valve Body: Low-led Brass
Orifice Sizes / Flow Factor:	16mm / 4.5 Cv	Coil Data:	(suitable for potable water applications) Duty Cycle: Continuous (within specifications)
Pressure Range:	Water: 10 to 180 psi N.C., 150 psi N.O. Air: 10 to 125 psi N.C., 150 N.O.	Connections:	Encapsulation: Glass-Filled Nylon Insulation: Class F Power Rating: 6.5 Watts (VDC) 8.5 VA (VAC) Voltage: 12, 24 VDC 24, 120, 220, 240 VAC 50/60 Hz Voltage Tolerance: +/- 10% Nominal Windings: Class H
Temp. Range:	Fluid Max.: +60°C Dry Range: Ambient +10°C to +50°C		
Reponse Time:	80 to 120ms Complete Cycle		
Media:	Air, light oils, noble gases, water (contact factory for compatibilities)		
Manual Override	: Turn lock (Normally Open version only)		Spades: Accordance with DIN Style "A" EN175301-803 Flying Lead: PVC 22 AWG, Multi-Strand Copper Wire, 300V, 12" minimum length 1.05 lbs.
Environment Protection:	IP65 (IEC 144), NEMA 4 Dust-tight and water resistant (with electrical connector)		
Mounting:	On pipe		

How To Order



Order Example: 3516-1Q001-BAB7A FKM, 2-Way N.C., 1/4" NPT, 120 VAC 50/60 Hz, DIN Spade

