

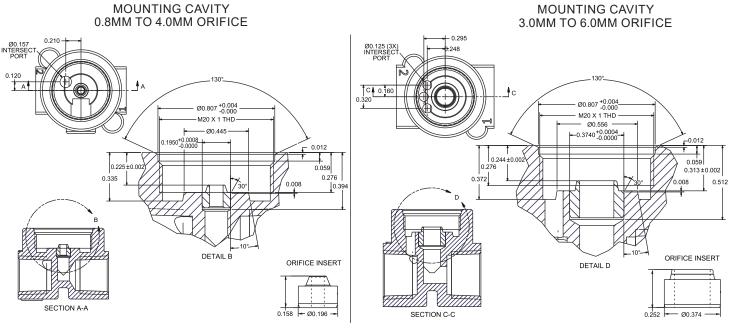
Series 40A0

The Spartan Scientific Series 40A0 solenoid valve operators are used as 2-Way & 3-Way, 2-Position Normally Closed or Normally Open, functions for the control of air, light oil, water and inert gases. The robust design incorporates all stainless steel stop, plunger and tube assembly as well as spring compensated top seat. Available in 0.8mm (0.03 Cv) to 6.0mm (0.72 Cv) orifice sizes, the 40A0 can control a broad range of flow and pressure ratings. Standard elastomers are FKM, NBR and EPDM. The class F coils are all nylon encapsulated, 100% duty, all standard voltage and are available in DIN 43650 Form "A", flying lead, DIN form A connector, 1/2" conduit. Available in UL recognized and CSA approved as well as other institutional approvals and oxygen cleaned upon request.

Dimensional Data



Orifice Insert / Armature Cavity Details





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Technical Data

Function: Orifice Sizes /	2-Way, 2-Position; Direct Acting; Normally Closed or Normally Open 3-Way, 2-Position; Direct Acting; Normally Closed or Normally Open 0.8mm / 0.03 Cy	Wetted Materials	s: Elastomers: EPDM, FKM, NBR Operator: 300 and 400 Series Stainless Steel Orifice Insert: 300 Series Stainless Steel Shading Ring: Copper (AC Only) Springs: 300 Series Stainless Steel				
Flow Factor:	1.6mm / 0.12 Cv 2.4mm / 0.24 Cv 3.0mm / 0.31 Cv 4.0mm / 0.52 Cv 6.0mm / 0.72 Cv	Coil Data:	Duty Cycle: Continuous (within specifications) Encapsulation: Glass-Filled Nylon Insulation: Class F Power Rating: 10 Watt VDC, 11 VA VAC (others available on request)				
Pressure Range:	Vacuum to 1200 psi (depending on orifice size and function)		Voltage: 6, 12, 24 VDC 24, 120, 220, 240 VAC 50/60 Hz Voltage Tolerance: +/- 10% Nominal				
Temp. Range:	Fluid Max.: +90°C Dry Range: Ambient +10° to +50°C	Connections:	Winding: Class H Spades: Accordance with DIN 43650				
Response Time:	12ms Complete Cycle	connections.	Form "A" / ISO 4400, EN175301-803:2006				
Media:	Air, inert gases, light oil, water (contact factory for compatibilities)		Flying Lead: PVC 22 AWG, Multi-Strand Copper Wire, 300V, 12" minimum length				
Environment Protection:	IP65 (IEC 144), NEMA 4 Dust-tight and water resistant (with electrical connector)	Packaged Weigh	t: With Coil: 0.43 lbs. Without Coil: 0.15 lbs.				

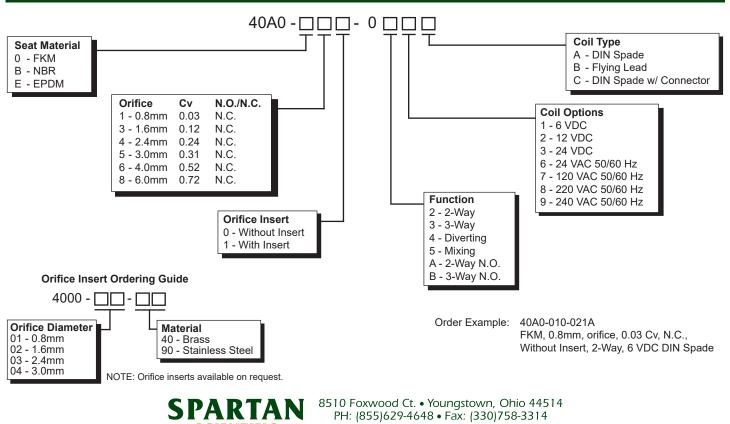
ORIFICE SIZE / VOLTAGE

FUNCTON		0.8mm		1.6mm		2.4mm		3.0mm		4.0mm		6.0mm	
		AC	DC										
	2/2 NC	1200	900	900	525	450	225	270	150	100	80	70	60
	2/2 NO	525	345	255	225	150	120	90	82	N/A	N/A	N/A	N/A
	3/2 NC	525	375	255	225	150	120	90	82	60	50	30	20
	3/2 NO	450	345	255	225	150	120	105	90	N/A	N/A	N/A	N/A

MAX. PRESSURE RANGE (psi)

CIENTIFIC

How To Order



www.spartanscientific.com

17