



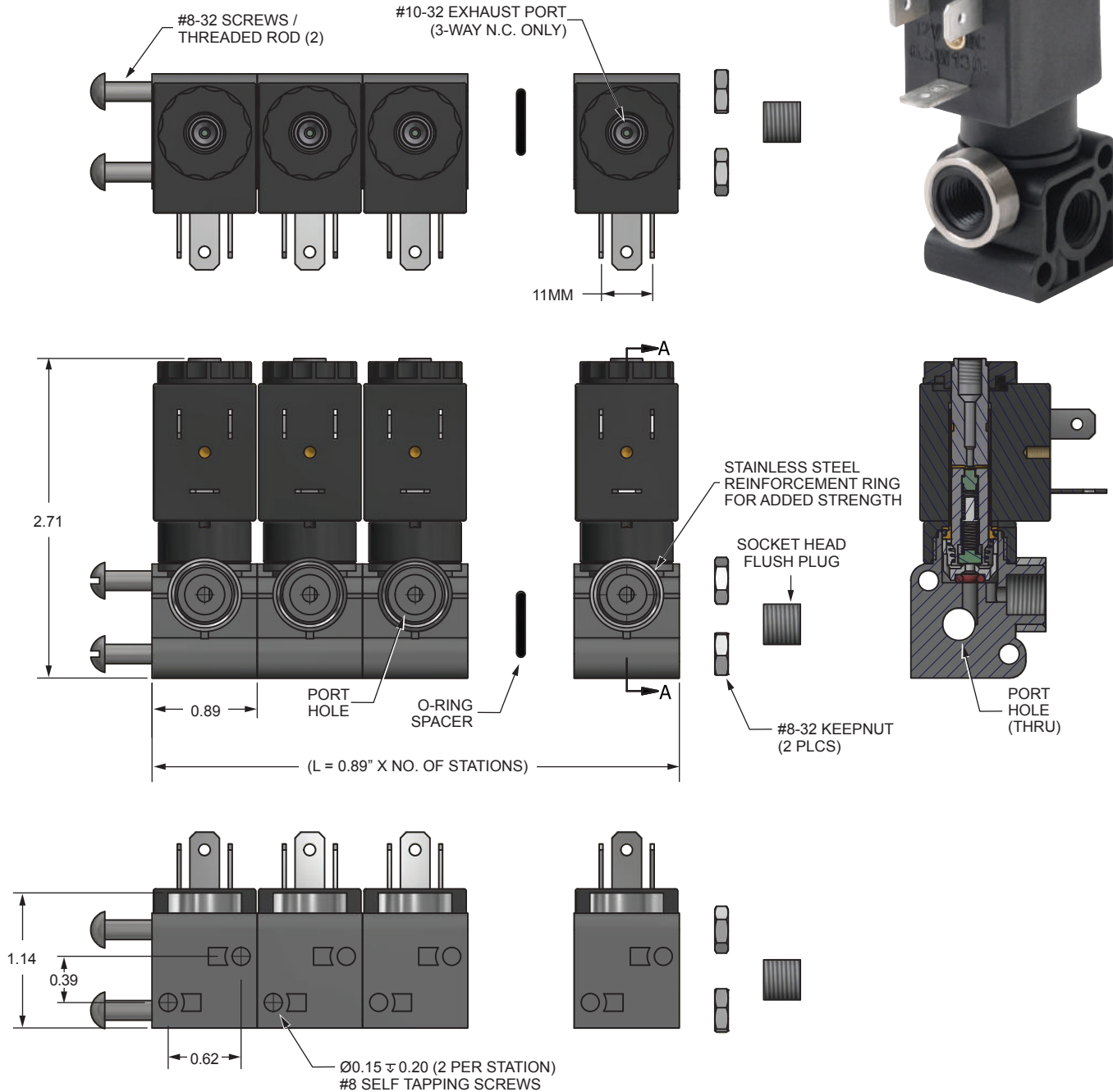
# Series 3923

Direct Acting  
Composite Stackable

The Spartan Scientific Series 3923 contains all the features of the Series 3823 solenoid valve but can be stacked into a multiple output bank of solenoid valves. The Series 3923 features a fully encapsulated coil, spring compensated plunger seats for long life, and a miniature stackable composite valve body. The advantage to this design is the versatility to stock single units and build, mix, and match to meet specifications. In most cases the Series 3923 reduces inventory costs and lowers cost per installation over a conventional manifold valve series.

## Dimensional Data

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED



DIRECT  
ACTING



# Series 3923

Direct Acting  
Composite Stackable

## Technical Data

**Function:** 2-Way, 2-Position; Direct Acting; Normally Closed  
3-Way, 2-Position; Direct Acting; Normally Closed

**Port Size:** 1/8" NPT

**Orifice Sizes / Flow Factor:**  
0.6mm / 0.02 Cv  
0.8mm / 0.03 Cv  
1.0mm / 0.05 Cv  
1.2mm / 0.06 Cv  
1.5mm / 0.08 Cv  
2.0mm / 0.17 Cv  
2.4mm / 0.24 Cv

**Pressure Range:** Vacuum to 200 psi (depending on orifice size and function)

**Temp. Range:** Fluid max.: +60°C  
Dry Range: Ambient +10° to +50°C

**Response Time:** 12 to 14ms Complete Cycle

**Media:** Air, caustics, inert gas, oil, water  
(contact factory for compatibilities)

**Environment** IP65 (IEC 144), NEMA 4

**Protection:** Dust-tight and water resistant (with electrical connector)

**Mounting:** #8-32 x 0.250" (2) not provided

**Wetted Materials:** Elastomers: EPDM, FKM, or NBR (other materials available on request)  
Operator: 400 Series Stainless Steel and Brass (other materials available on request)  
Shading Ring: Copper  
Springs: 300 Series Stainless Steel  
Valve Body: Glass-Filled Nylon (FDA Approved)

**Coil Data:** Duty Cycle: Continuous (within specifications)  
Encapsulation: Glass-Filled Nylon  
Insulation: Class F  
Power Rating: 6.5 Watt VDC, 8.5VA (others available on request)  
Voltage: 6, 12, 24 VDC  
24, 120, 220, 240VAC 50/60 Hz  
Voltage Tolerance: +/- 10% Nominal  
Winding: Class H

**Connections:** Spades: Terminals AMP 6.3x0.8 width 11mm (Available in DIN 43650 Form "A" / ISO 4400, N175301-803:2000 for 3.0mm orifice or larger)  
Flying Lead: PVC 22 AWG, Multi-Strand Copper Wire, 300V, 12" Length

**Packaged Weight:** 0.22 lbs.

FUNCTION

ORIFICE SIZE / VOLTAGE

	0.6mm		0.8mm		1.0mm		1.2mm		1.5mm		2.0mm		2.4mm	
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC
2/2 NC	200	200	200	200	200	200	200	200	200	200	200	200	200	200
3/2 NC	200	200	200	200	180	180	160	160	150	150	90	75	60	60

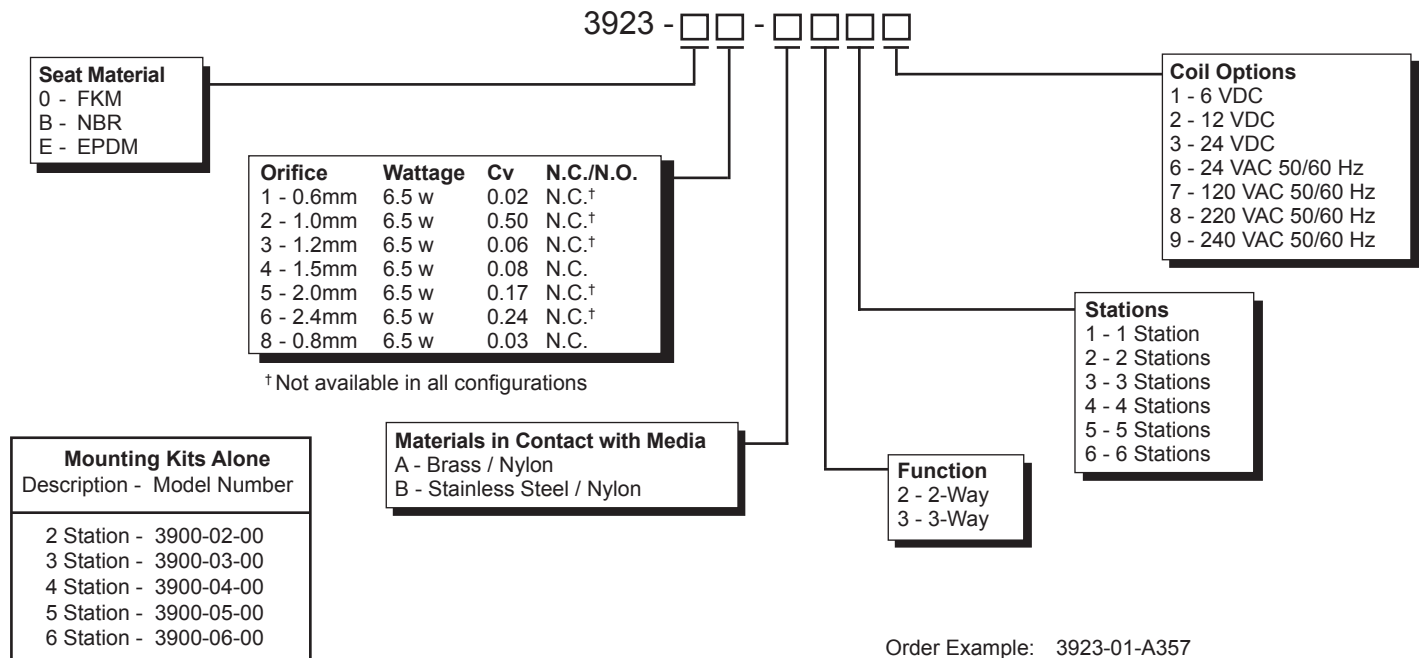
MAX. PRESSURE RANGE (psi)



Consult factory for available versions recognized under the Component Program of Underwriters Laboratories, Inc.

DIRECT ACTING

## How To Order



Mounting kit contains: Two mounting screws, two locking nuts and o-rings.

Order Example: 3923-01-A357  
FKM, 0.6mm orifice, N.C., Brass / Nylon,  
3-Way, 5 station, 120 VAC 50/60Hz



P.O. Box 9792 • Boardman, Ohio 44513  
PH: (855)629-4648 • Fax: (330)758-3314  
www.spartanscientific.com