

Directional Control Valves

Composite Solenoid Valve, 2 & 3-Way  
Normally Closed or Normally Open

Series 38MP

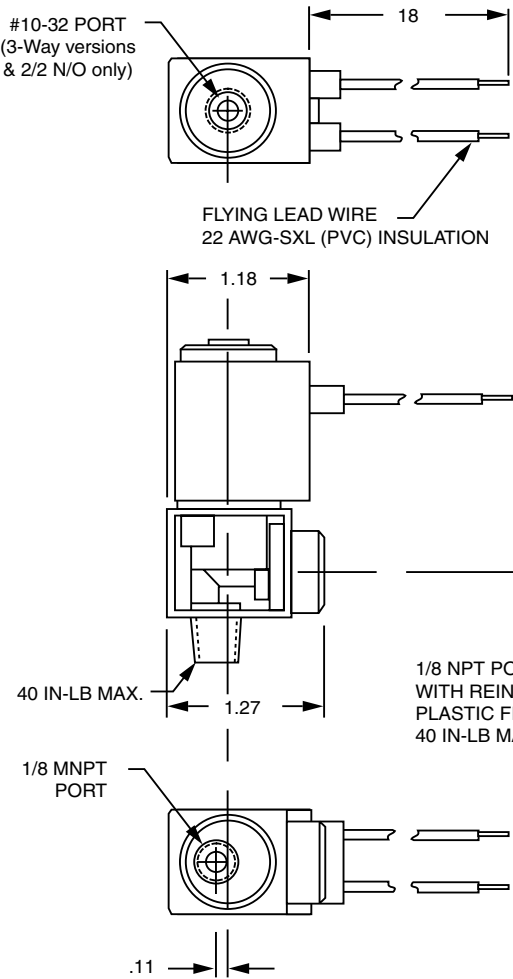
The Series 38MP is a 3 or 2 way, 2 position composite body solenoid valve designed to take the place of a fitting using a female inlet and male outlet port. The valve is generally mounted into an air cylinder port to control a single acting linear actuator. Component features include the proven solenoid operator available in brass/stainless or all stain-

less pilot design, optional seal materials and nylon encapsulated coil. The “basket” orifice design feature allows the possibility of changing the orifice diameter to meet flow requirements.

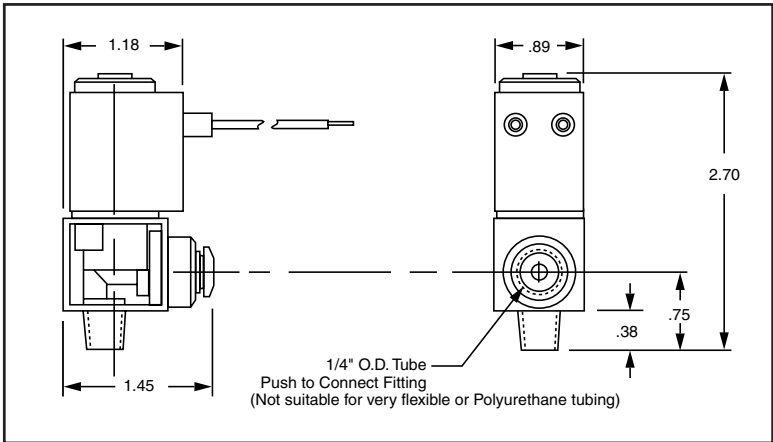
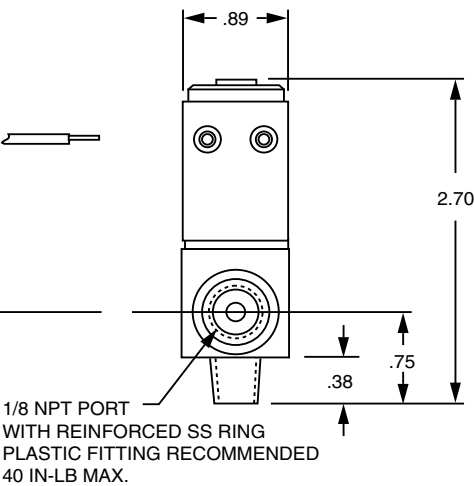
The DuPont Zytel FE 5015, FDA approved composite material is media compatible eliminating the need for stocking multiple body materials.

Dimensional Data

Features



- Composite material
- Chemical compatibility
- FDA approved versions
- 7 orifice sizes
- Easily replaceable orifice
- Vacuum holding & flow applications
- Pressure to 270 psi
- DIN spades or flying leads



ORIFICE SIZE / VOLTAGE

FUNCTION	0.6 mm		1.0 mm		1.2 mm		1.5 mm		2.0 mm		2.4 mm		3.0 mm	
	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC	AC	DC
	2/2 NC	270	270	250	250	250	250	250	250	250	200	200	75	60
2/2 NO	N/A	N/A	N/A	N/A	N/A	N/A	250	250	N/A	N/A	N/A	N/A	N/A	N/A
3/2 NC	250	250	200	200	180	180	160	150	N/A	N/A	N/A	N/A	N/A	N/A
3/2 NO	N/A	N/A	N/A	N/A	N/A	N/A	170	150	N/A	N/A	N/A	N/A	N/A	N/A

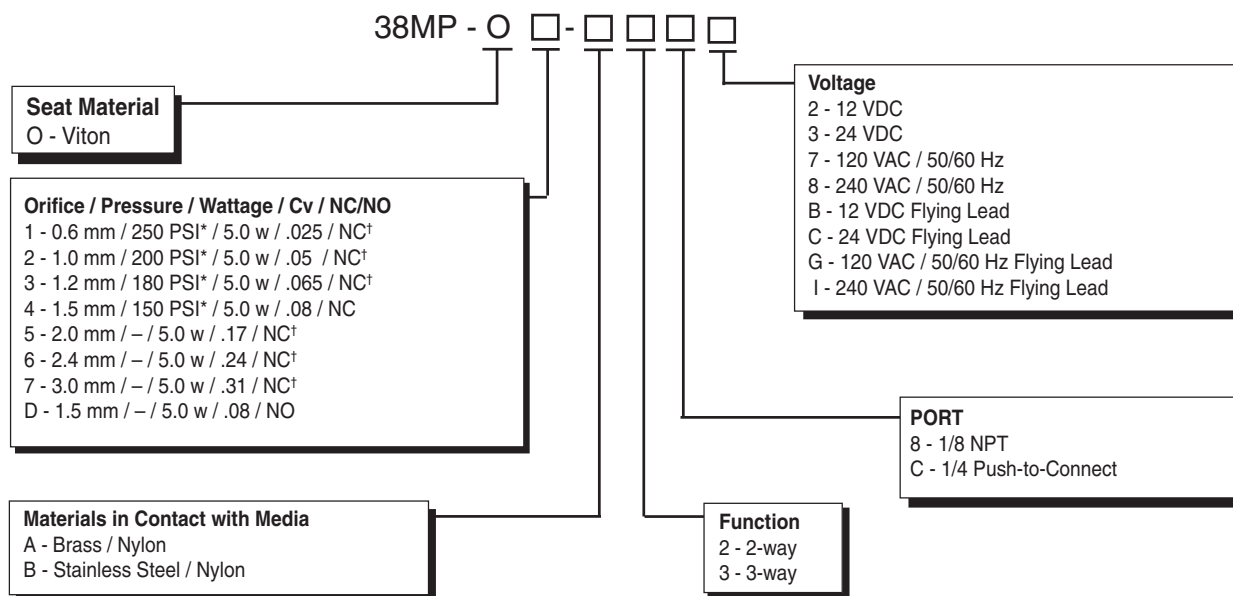
MAX. PRESSURE RANGE

# Directional Control Valves Composite Solenoid Valve, 2 & 3-Way Normally Closed or Normally Open **Series 38MP**

## Technical Data

<b>Function:</b>	2-way, 2 position and 3-way, 2 position direct acting, normally closed or normally open			
<b>Port Sizes:</b>	<b>Function</b>	<b>Inlet</b>	<b>Outlet</b>	<b>Exhaust</b>
	2/2 NC	1/8 Male NPT	1/8 NPT or 1/4" Push-to-connect	---
	2/2 NO	1/8 Male NPT	10-32 TOP	---
	3/2 NC	1/8 NPT or 1/4" Push-to-connect	1/8 Male NPT	10-32 TOP
	3/2 NO	10-32 TOP	1/8 Male NPT	1/8 NPT
<b>Orifice Sizes/ Flow Factor:</b>	0.6 mm / .025 Cv 1.0 mm / .05 Cv 1.2 mm / .065 Cv 1.5 mm / .08 Cv 2.0 mm / .17 Cv 2.4 mm / .24 Cv 3.0 mm / .31 Cv			
<b>Pressure Range:</b>	0-270 PSI (depending on orifice size and function)			
<b>Temp. Range:</b>	(Media 90°C max.) Ambient - 10 to +50°C			
<b>Response Time:</b>	12-14 ms complete cycle			
<b>Materials:</b>	Operator: 400 Series Stainless and Brass standard (400 and 300 Stainless optional) Shading Ring: Copper Springs: 300 Series Stainless Seals: Viton standard (other materials available on request) Valve Body: Celcon GB25 DuPont Zytel FE 5105. FDA Approved.			
<b>Media:</b>	Air, oil, inert gas, water, caustics, etc.			
<b>Mounting:</b>	1/8 NPT male port			
<b>Coil Data:</b>	Glass filled nylon encapsulation (Class F, continuous duty) DIN spades (11 mm centers) or flying leads – 22 ga. wire w/PVC insulation – 18" long 5 watt standard (other wattages available on request) All standard industrial voltages Voltage Tolerance: +/- 10% Connectors available for DIN Spades – see page bottom for part numbers.			

## How To Order



† Not Available in All functions

\*NOTE: Pressure ratings, if shown, are for 3/2 NC valve with DC voltage

### Connectors for DIN Spades (11 mm centers):

P/N 122-09-N . . . . . Black housing - No LED

P/N 122-09-T-A.1-Voltage . . Transparent housing and LED