Combination 3 way/4 way 3/2 • 5/2 solenoid valve that directly mounts to all NAMUR interface actuators. Standard features include a manual override, safety position by mechanical spring. Pilots both spring return and double acting actuators.

Pressure range: 20-120 psi
Media Temperature:
-20-140 degrees F
Optional to -40 degrees F
Body: Extruded aluminum
Seal: BUNA N
Cv 1.4

Specially designed brass directional plate easily converts the valve to either a five ported four way or a three ported three way valve.

Function
5/2 configuration for double-acting actuators. De-energized state, with supply to port 1, flow is directed to port 4 and port 2 is vented to atmosphere via port 3.

3/2 configuration for spring return actuators. De-energized state, with port 3 sealed, supply port is blocked and port 2 exhaust is feed back to port 4 with excess vented to atmosphere via port 5.
# NAMUR 5/2 • 3/2 Solenoid Valve

## SERIES NM

### PART NUMBER SYSTEM

<table>
<thead>
<tr>
<th>NM</th>
<th>STD</th>
<th>110</th>
<th>AC</th>
<th>0</th>
<th>0</th>
<th>0</th>
<th>0</th>
</tr>
</thead>
<tbody>
<tr>
<td><em>series</em></td>
<td>RADIUS Series NM NAMUR mount, combination 5/2 and 3/2 pilot valve (By adjustable gasket)</td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td><em>type</em></td>
<td>STD = standard (CSA) ATX = ATEX EXP = explosion proof (FM) ISF = intrinsically safe OTH = other NCL = no coil</td>
<td></td>
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<td></td>
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<tr>
<td><em>voltage</em></td>
<td>012 024 048 110 230 OTH NON</td>
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<td></td>
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<tr>
<td><em>current</em></td>
<td>AC DC NA</td>
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</tr>
</tbody>
</table>

### STANDARD VERSION (CSA app.)

#### Electrical:

**Voltage (±10%)**
- 24VDC
- 120VAC @ 60Hz
- 240VAC @ 60Hz
- 110VAC @ 50Hz
- 230VAC @ 50Hz

**Power consumption**
- DC 4.8W
- AC @60Hz 6.9VA
- AC @50Hz 8.5VA

**Duty cycle**
- 100% continuous service

**Insulation class**
- F

**Connection**
- ½" NPT conduit entry

**Protection class**
- IP65
  - NEMA types 1,2,3, 35,4,4X,7,8 and 9.

**Approvals**
- CSA, FM and NEC

### EXPLOSION PROOF VERSION

#### North American Version

#### Electrical:

**Voltage (±10%)**
- 24VDC
- 120VAC @ 60Hz
- 240VAC @ 60Hz
- 110VAC @ 50Hz
- 230VAC @ 50Hz

**Power consumption**
- DC 4.8W
- AC @60Hz 6.9VA
- AC @50Hz 8.5VA

**Duty cycle**
- 100% continuous service

**Protection class**
- IP65
  - NEMA types 1,2,3, 35,4,4X,7,8 and 9.

**Approvals**
- CSA, FM and NEC

### ATEX VERSION

#### European Explosion Proof

#### Electrical:

**Voltage (±10%)**
- 12 and 24VDC
- 110VAC 50/60Hz
- 230VAC 50/60Hz

**Power consumption**
- Temp Class T4,
- 24VDC, Rated power 5.2W
- Temp Class T5,
- 110V 50/60Hz, Rated power 3.0VA
- Temp Class T6,
- 220V 50/60Hz, Rated power 2.5VA

**Duty cycle**
- 100% continuous service

**Insulation class**
- F

**Connection**
- Encapsulated Coil and Connector, with Cable

**Protection class**
- IP65

**Approvals**
- PTB ATEX

### Hazardous Locations:

- [Ex m II T4 and Division 1](#)
- [Class I, Group A,B,C and D](#)
- [Class II, Group E,F and G](#)
- [Class III](#)
- Tested according to CAN/CSA-E79-0-95 and CAN/CSA-E79-18-95 for CSA, according to ANSI/ISA-S12.00.01-1999 and ANSI/ISA-S12.23.01-1998 for FM

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Intrinsically Safe Version also Available