

2- and 3-Way Next Generation Solenoid Valves

- Max. fluid temp.: 180°F Can accept both AC and DC voltages; increase DC pressure ratings to AC levels. Feature lower power operation, voltage ranging, and built-in surge suppression. Design helps eliminate AC hum. Coil included.
- Coil insulation class: H
- Seal material: NBR



| Pipe Size | Orifice Dia. | Cv | NEMA Rating | Min. Oper. Press. Differential | Max. Oper. Press. Air, Inert Gas | Water | Differential Light Oil | Max. Fluid Temp. | Voltage | Mfr. Model | Item No. | |
|---|--------------|------|--------------------|--------------------------------|----------------------------------|---------|------------------------|-------------------|-------------------|------------|----------|--|
| 2-Way/2-Position, Normally Closed, Brass Body -NBR Gaskets | | | | | | | | | | | | |
| 1/4 in | 1/8 in | 0.35 | 1, 2, 3, 3S, 4, 4X | 0 psi | 540 psi | 395 psi | 360 psi | 180 °F | 100 to 240V AC/DC | 8262R232 | 6YEJ7 | |
| | 3/32 in | 0.52 | | 0 psi | 300 psi | 225 psi | 225 psi | 180 °F | 100 to 240V AC/DC | 8262R202 | 6YEJ5 | |
| 1/2 in | 3/16 in | 0.73 | | 0 psi | 125 psi | 125 psi | 125 psi | 180 °F | 100 to 240V AC/DC | 8262R208 | 6YEJ6 | |
| 3/8 in | 3/16 in | 3 | | 0 psi | 150 psi | 150 psi | Not Rated | 180 °F | 100 to 240V AC/DC | 8210P093 | 1ALA6 | |
| 1/2 in | 1/4 in | 4 | | 0 psi | 150 psi | 150 psi | Not Rated | 180 °F | 100 to 240V AC/DC | 8210P094 | 1ALA8 | |
| 3/4 in | 3/4 in | 5 | | 0 psi | 150 psi | 150 psi | Not Rated | 180 °F | 100 to 240V AC/DC | 8210P095 | 1ALB3 | |
| 1 in | 1 in | 13 | | 5 psi | 150 psi | 150 psi | 100 psi | 180 °F | 100 to 240V AC/DC | 8210P044 | 1ALB7 | |
| 1 1/4 in | 1 1/4 in | 15 | | 5 psi | 150 psi | 150 psi | 100 psi | 180 °F | 100 to 240V AC/DC | 8210P008 | 4ELL4 | |
| 1 1/2 in | 1 1/4 in | 22.5 | | 5 psi | 150 psi | 150 psi | 100 psi | 180 °F | 100 to 240V AC/DC | 8210P022 | 4ELL6 | |
| 2 in | 1 3/4 in | 43 | | 5 psi | 150 psi | 125 psi | 90 psi | 180 °F | 100 to 240V AC/DC | 8210P100 | 1ALB9 | |
| 2-Way/2-Position, Normally Closed, Stainless Steel Body -NBR Gaskets | | | | | | | | | | | | |
| 1/2 in | 3/8 in | 4 | | 0 psi | 150 psi | 150 psi | 125 psi | 180 °F | 100 to 240V AC/DC | 8210P087 | 1ALB1 | |
| 3/4 in | 3/8 in | 4.5 | 0 psi | 150 psi | 150 psi | 125 psi | 180 °F | 100 to 240V AC/DC | 8210P088 | 1ALB5 | | |
| 2-Way/2-Position, Normally Open, Brass Body -NBR Gaskets | | | | | | | | | | | | |
| 3/8 in | 3/8 in | 3 | 0 psi | 150 psi | 150 psi | 125 psi | 180 °F | 100 to 240V AC/DC | 8210P033 | 4ELL8 | | |
| 1/2 in | 3/8 in | 4 | 0 psi | 150 psi | 150 psi | 125 psi | 180 °F | 100 to 240V AC/DC | 8210P034 | 4ELN1 | | |
| 3/4 in | 3/4 in | 5.5 | 0 psi | 150 psi | 150 psi | 125 psi | 180 °F | 100 to 240V AC/DC | 8210P035 | 4ELN3 | | |
| 3-Way/2-Position, Normally Closed, Brass Body -NBR Gaskets | | | | | | | | | | | | |
| 1/4 in | 1/16 in | 0.23 | 4X | 0 psi | 150 psi | 150 psi | 150 psi | 194 °F | 100/240V AC | 8320R184 | 53AY51 | |
| 1/4 in | 1/8 in | 0.25 | 4X | 0 psi | 90 psi | 90 psi | 90 psi | 194 °F | 100/240V AC | 8320R186 | 53AY49 | |
| 3/4 in | 1 1/8 in | 4.8 | 1, 2, 3, 3S, 4, 4X | 10 psi | 250 psi | 250 psi | Not Rated | 180 °F | 100 to 240V AC/DC | 8316P074 | 24W653 | |
| 3-Way/2-Position, Universal, Brass Body -NBR Gaskets | | | | | | | | | | | | |
| 1/4 in | 1/16 in | 0.09 | 4X | 0 psi | 160 psi | 160 psi | 160 psi | 194 °F | 100/240V AC | 8320R172 | 53AY50 | |
| 1/4 in | 1/16 in | 0.12 | 4X | 0 psi | 100 psi | 100 psi | 100 psi | 194 °F | 100/240V AC | 8320R174 | 53AY52 | |

3-Way Quick Exhaust Solenoid Valves

- Brass body
- Seal material: NBR

Have 3 pipe connections and 2 orifices. Coil included. UL Listed and CSA Certified.

Normally Closed—When the valve is de-energized, the pressure port is closed and the exhaust port is connected to the cylinder port. When the valve is energized, the exhaust port is closed and the pressure port is connected to the cylinder port.

Normally Open—When the valve is de-energized, the pressure port is connected to the cylinder port and the exhaust port is closed. When the valve is energized, the pressure port is closed and the cylinder port is connected to the exhaust port.



Universal—Can be connected in either Normally Closed or Normally Open position. Can also be used to select 1 of 2 fluids, or to divert flow from 1 port to another.

| Pipe Size | Orifice Dia. | Cv | NEMA Rating | Min. Oper. Press. Differential | Max. Oper. Press. Air, Inert Gas | Water | Differential Light Oil | Max. Fluid Temp. | Voltage | Mfr. Model | Item No. | |
|------------------------|--------------|------|--------------------|--------------------------------|----------------------------------|---------|------------------------|------------------|---------|------------|------------|--------|
| Normally Closed | | | | | | | | | | | | |
| 1/8 in | 1/16 in | 0.09 | 1, 2, 3, 3S, 4, 4X | 0 psi | 150 psi | 125 psi | 125 psi | 180 °F | 120V AC | 8320G013 | 3UL87 | |
| | 3/32 in | 0.12 | | 0 psi | 150 psi | 150 psi | 150 psi | 200 °F | 120V AC | 8320G184 | 3UL95 | |
| 1/4 in | 1/8 in | 0.2 | | 0 psi | 150 psi | 150 psi | 95 psi | 180 °F | 120V AC | 8317G035 | 3UL82 | |
| | 3/32 in | 0.2 | | 5 psi | 150 psi | 150 psi | Not Rated | 180 °F | 120V AC | 8317G023 | 44U288 | |
| 3/8 in | 3/32 in | 0.2 | | 3, 3S, 4, 4X, 6, 6P, 7, 9 | 5 psi | 75 psi | 30 psi | 30 psi | 180 °F | 24V DC | EF8317G035 | 44U318 |
| | 1/2 in | 0.8 | | 1, 2, 3, 3S, 4, 4X | 10 psi | 200 psi | 200 psi | 200 psi | 180 °F | 120V AC | 8321G002 | 3UM06 |
| Normally Open | | | | | | | | | | | | |
| 1/4 in | 3/32 in | 0.8 | | 1, 2, 3, 3S, 4, 4X | 10 psi | 200 psi | 200 psi | 200 psi | 180 °F | 120V AC | 8321G003 | 3UM08 |
| Universal | | | | | | | | | | | | |
| 1/4 in | 1/16 in | 0.09 | | 1, 2, 3, 3S, 4, 4X | 0 psi | 125 psi | 125 psi | 130 psi | 200 °F | 120V AC | 8320G172 | 3UL89 |
| | 3/32 in | 0.12 | | | 0 psi | 100 psi | 100 psi | 100 psi | 200 °F | 120V AC | 8320G174 | 3UL91 |



4-Way Solenoid Valves

- Coil insulation class: F
- NEMA rating: 1, 2, 3, 3S, 4, 4X
- Coil enclosure voltage: 120VAC, except 44U312 and 44U309 are 24VDC

Single-solenoid valves operate double-acting cylinders. Feature 4 or 5 pipe connections: 1 pressure, 2 cylinder, and 1 or 2 exhausts. Mount in any position. Coil included.

Note: 4-way valves have differential psi for water.



| Pipe Size | Orifice Dia. | Cv | Min. Oper. Press. Differential | Max. Oper. Press. Air, Inert Gas | Water | Differential Light Oil | Max. Fluid Temp. | Watts | Overall Length | Mfr. Model | Item No. |
|--|--------------|------|--------------------------------|----------------------------------|---------|------------------------|------------------|--------|----------------|-------------|----------|
| Aluminum Body -Polyethylene Gaskets | | | | | | | | | | | |
| 1/4 in | 1/8 in | 0.1 | 0 psi | 150 psi | — | 145 psi | 130 °F | 17.1 W | 1 1/8 in | JSP8340G001 | 44U334 |
| | 3/16 in | 0.1 | 0 psi | 150 psi | — | Not Rated | 130 °F | 17.1 W | 1 1/8 in | 8340G001 | 44U302 |
| Brass Body -NBR Gaskets | | | | | | | | | | | |
| 1/4 in | 1/8 in | 0.09 | 10 psi | 150 psi | 150 psi | 150 psi | 104 °F | 11.6 W | 2 1/8 in | 8345G001 | 44U312 |
| | 1/8 in | 0.09 | 10 psi | 150 psi | 150 psi | 150 psi | 180 °F | 10.1 W | 2 1/8 in | 8345G001MO | 44U313 |
| | 1/8 in | 0.09 | 10 psi | 150 psi | 150 psi | 150 psi | 180 °F | 10.1 W | 3 in | 8345G001 | 3UM17 * |
| | 1/8 in | 0.09 | 10 psi | 150 psi | 150 psi | Not Rated | 180 °F | 10.1 W | 3 in | 8345H003 | 3UM30 * |
| | 3/16 in | 0.7 | 0 psi | 125 psi | 100 psi | 100 psi | 160 °F | 20.1 W | 2 1/8 in | 8342G001 | 5JC52 |
| | 3/16 in | 0.7 | 0 psi | 125 psi | 100 psi | 100 psi | 160 °F | 20.1 W | 3 1/8 in | 8342G001MS | 4ELD5 |
| | 3/16 in | 0.7 | 0 psi | 125 psi | 100 psi | 100 psi | 160 °F | 16.1 W | 2 1/8 in | 8342G020 | 24W661 |
| | 1/4 in | 0.8 | 10 psi | 150 psi | 125 psi | 125 psi | 180 °F | 10.1 W | 4 1/8 in | 8344G070 | 24W664 |
| | 1/4 in | 0.8 | 10 psi | 150 psi | 150 psi | 125 psi | 150 °F | 11.6 W | 4 3/8 in | 8344G070 | 44U309 |
| | 1/4 in | 0.8 | 10 psi | 150 psi | 150 psi | 125 psi | 180 °F | 10.1 W | 4 3/8 in | 8344G070MO | 44U310 |
| | 3/8 in | 0.7 | 0 psi | 125 psi | 100 psi | 100 psi | 160 °F | 20.1 W | 2 1/8 in | 8342G003 | 5JC56 |
| | 3/8 in | 0.7 | 0 psi | 125 psi | 100 psi | 100 psi | 160 °F | 20.1 W | 2 3/8 in | 8342G003P | 24W662 |
| 3/8 in | 3/8 in | 0.8 | 10 psi | 250 psi | 250 psi | 250 psi | 180 °F | 17.1 W | 4 3/8 in | 8344G001 | 24W670 |
| | 3/8 in | 1.4 | 10 psi | 150 psi | 125 psi | 125 psi | 180 °F | 10.1 W | 6 in | 8344G072 | 4ELD7 |
| 1/2 in | 3/8 in | 1.4 | 10 psi | 150 psi | 125 psi | 125 psi | 180 °F | 10.1 W | 3 3/8 in | 8344G074 | 3UM15 * |
| | 3/8 in | 1.4 | 10 psi | 150 psi | 125 psi | 125 psi | 180 °F | 10.1 W | 6 1/8 in | 8344G074MO | 24W659 |
| 1/2 in | 3/8 in | 1.4 | 10 psi | 250 psi | 200 psi | 125 psi | 180 °F | 6.1 W | 6 1/8 in | 8344G082 | 44U311 |
| | 3/8 in | 1.4 | 10 psi | 250 psi | 250 psi | 250 psi | 180 °F | 17.1 W | 6 1/8 in | 8344G027 | 44U307 |
| Brass Body -PTFE Gaskets | | | | | | | | | | | |
| 1/4 in | 3/16 in | 0.7 | 0 psi | 125 psi | — | Not Rated | 160 °F | 20.1 W | 2 1/8 in | 8342G501 | 44U303 |
| Stainless Steel Body -PTFE Gaskets | | | | | | | | | | | |
| 1/4 in | 3/16 in | 0.7 | 0 psi | 125 psi | 100 psi | 100 psi | 160 °F | 20.1 W | 2 1/8 in | 8342G701 | 44U304 |
| 3/8 in | 3/16 in | 0.7 | 0 psi | 125 psi | 100 psi | 100 psi | 160 °F | 20.1 W | 2 1/8 in | 8342G703 | 44U305 |

* A minimum operating pressure differential must be maintained between the pressure and exhaust ports. Supply and exhaust piping must be full area, unrestricted. Flow controls and other components must be installed in the cylinder lines only.

