



DURBIN 4-WAY SPOOL VALVES
DURBIN INDUSTRIAL VALVE

Durbin Industrial Valve
4-Way Spool Valves





DURBIN 4-WAY SPOOL VALVES

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Features:

Valve Type: Spool

Function: 4-Way

Action: Configuration dependent

Actuation: Pneumatic

Pilot Range: 40-100 psi (2.8-6.9 bar)

Sizes: 1/4" (DN 6)

Pressure Ratings: Up to 225 psi (16 bar)

Temperature Ratings: -20°F to 200°F (-26°C to 93°C)

Connection Style: Threaded (NPT)

Seat Type: O-ring

Leakage Rate: ANSI/FCI 70-2 class VI

Cv: Maximum of 2.4

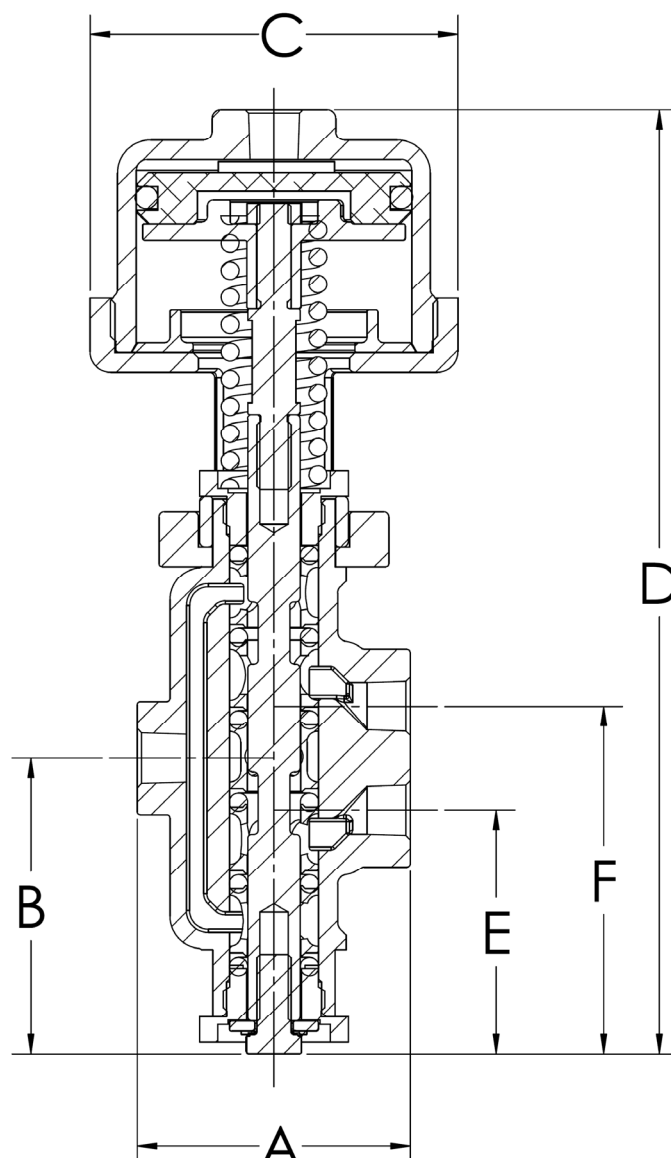
Media: Inert gas, air, and most hydraulic media

Overview: The Durbin 4-way spool valve is a two-position, pneumatically-shifted and spring-returned valve to serve your double-acting cylinder and other motion-control hydraulic and pneumatic needs.

Materials of Construction: The Durbin 4-way spool valve is constructed of 300 series stainless steel to protect against the damaging effects of corrosion. All wetted components are constructed from corrosion resistant materials (CRAs) or are high grade elastomeric materials.

Application: This valve series is ideal for applications where a high cycle life and repeated positive shut-off is required for your motion-control needs. This cylinder top design increases efficiency over its diaphragm-actuated or manually-actuated competitors.

DURBIN 4-WAY SPOOL VALVE DIMENSIONS

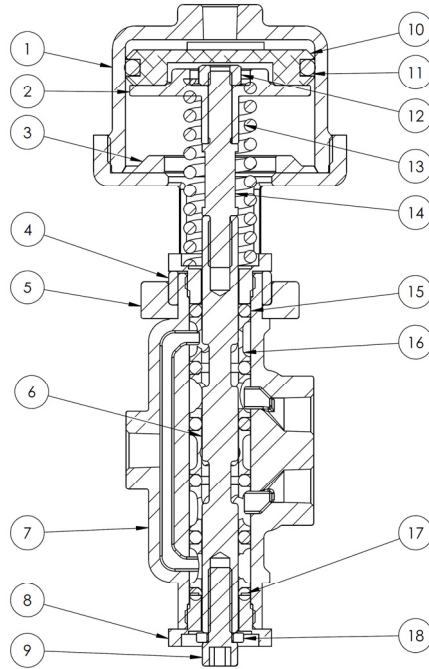


| 4-WAY CYLINDER TOP VALVE DIMENSIONS | | | | | | | |
|-------------------------------------|-------|------|------|------|-------|------|------|
| VALVE SIZE | UNITS | A | B | C | D | E | F |
| 1/4" | IN | 2.50 | 2.71 | 3.36 | 8.66 | 2.24 | 3.19 |
| | mm | 64.0 | 69.0 | 85.0 | 220.0 | 57.0 | 81.0 |

DURBIN 4-WAY SPOOL VALVES

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DURBIN 4-WAY SPOOL PARTS LIST



| 4-WAY CYLINDER TOP VALVE | | |
|--------------------------|------------------|---------------|
| | VALVE NUMBER | DMOO-201-28 |
| | SIZE | 1/4" |
| ITEM | DESCRIPTION | PART # |
| 1 | LID | DCT-103 |
| 2 | SPRING RET | DCT-106-SS |
| 3 | STEM STOP LID | DM563-002D |
| 4 | YOKE SPACER | DM083-003D |
| 5 | YOKE | DM573-004-SS |
| 6 | STEM | M373-044D |
| 7 | BODY | DM053-003D-SS |
| 8 | END BEARING | DM103-012D-SS |
| 9 | HEX BOLT 5/16 | H096-26 |
| 10 | PISTON | DCT-104 |
| 11 | PISTON SEAL | DCT-130-ORING |
| 12 | HEX JAM NUT 5/16 | C133-008D |
| 13 | SPRING | DM493-024D |
| 14 | UPPER STEM | DM143-100D |
| 15 | ORING | H134-87 |
| 16 | SPACER | DM313-004D-SS |
| 17 | SHIM | M483-007D |
| 18 | WASHER | H177-05 |

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DURBIN 4-WAY SPOOL VALVE SIZING CHART

| VALVE SIZE | STYLE | DESCRIPTION | CV | | | | | |
|------------|-------|-----------------|--------------|-----|------------------|------------------|------------------|------------------|
| | | | PSI | BAR | PORT 1 TO PORT 2 | PORT 1 TO PORT 3 | PORT 2 TO PORT 4 | PORT 3 TO PORT 4 |
| 1/4" NPT | 4-WAY | MODEL | DM000-201-28 | | 2.4 | 2.4 | 2 | 2.2 |
| | | PRESSURE RATING | 225 | 16 | | | | |

DURBIN 4-WAY SPOOL VALVE BASIC PIPING SCHEMATIC

