

Rivulis V2000

Hydraulic Control Valves

Operating Guidelines

Maximum Pressure Rating: 10 bar
Operating Pressure Range: 0,5-10 bar

Product Information

Body, Cover and Piston Assembly:
Glass-Filled Nylon
Diaphragm: NR, Nylon fabric reinforced
Seals: NR
Spring: Stainless Steel
Control Accessories: Plastic
Tubing and Fittings: Plastic
Manual Throttling in Valves up to 3"



The V2000 Hydraulic Control Valves are designed to meet the needs of multiple applications in your irrigation system, including simple control (on/off), pressure reducing, and quick relief. The valve operates by responding to pressure and flow changes with a diaphragm piston assembly. The body design has been optimized to maximize flow capacity, reduce pressure loss, and resist cavitation. The V2000 will be the primary choice for agricultural irrigation applications requiring high flows at low pressures and low flows at high pressures. Because the valves are made with glass-filled nylon, they resist damage from chemicals and have long term durability.

The V2000 Hydraulic Control Valve line is offered with a wide range of options including size, end connections (threaded, flanged, PVC glued, or grooved), actuation method (electric, hydraulic), and pilots and springs. Accessories and parts can be ordered to build customized valves.

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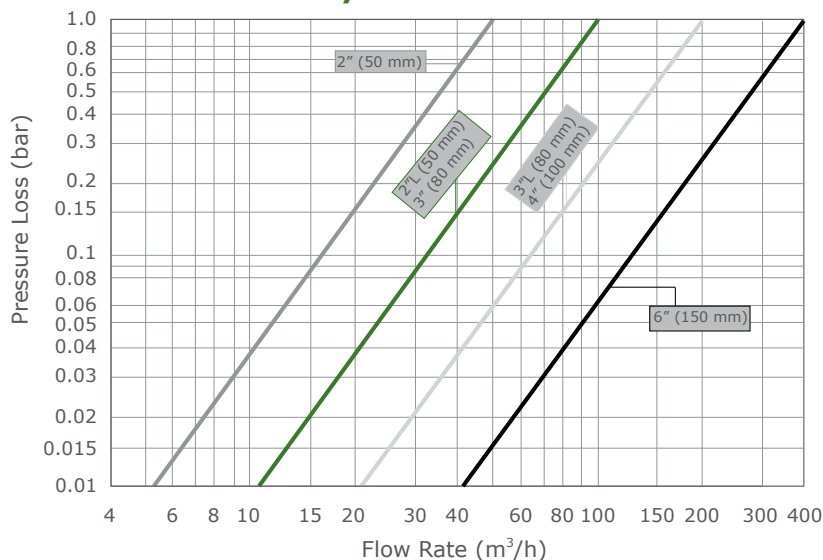
Configuration Options - Rivulis V2000 Hydraulic Control Valves

| Actuation | Options | Pre-Set Pressure | On-Off | Pressure Reducing | Quick Relief | | | |
|------------------------|------------------------------|------------------|--------|-------------------|--------------|----------|-----------|------|
| | | (bar) | Manual | Electric | Manual | Electric | Hydraulic | Auto |
| Control Circuit /Pilot | No Pilot | | V | V | | | | |
| | 0,5-3,0 bar, 2/3-way | 0,8 | | | V | V | V | |
| | 0,8-6,5 bar, 3-Way | 2,5 | | | V | V | V | |
| | 1,0-12,0 bar, 2-Way | 5,0 | | | | | | V |
| Solenoid | 12 Volt DC - Latch | | | V | | V | | |
| | 24 Volt AC - Normally Closed | | | V | | V | | |

Model Options - V2000 Hydraulic Control Valves

| Threaded | Grooved | PVC Glued | Flanged |
|---|---|--|---|
| 2"-3" Models | 3"-6" Models | 3"-4" Models | 3"-6" Models |
|  |  |  |  |

Flow Chart - V2000 Hydraulic Control Valves



Dimensions and Weights - V2000 Hydraulic Control Valves

| Dimensions | 2" Thread (50 mm) | 2" L Thread (50 mm) | 3" Thread (80 mm) | 3" Flange (80 mm) | 3" L Thread (80 mm) | 3" L Flange (80 mm) | 4" Flange (100 mm) | 6" Flange (150 mm) |
|------------|-------------------|---------------------|-------------------|-------------------|---------------------|---------------------|--------------------|--------------------|
| | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) | (mm) |
| L | 230 | 298 | 298 | 308 | 298 | 310 | 350 | 480 |
| H | 185 | 195 | 195 | 255 | 240 | 280 | 290 | 285 |
| R | 40 | 50 | 50 | 100 | 60 | 100 | 112 | 145 |
| W | 135 | 135 | 135 | 200 | 190 | 200 | 224 | 385 |
| Weight | (kg) | (kg) | (kg) | (kg) | (kg) | (kg) | (kg) | (kg) |
| | 1.35 | 1.6 | 1.6 | 2.5 | 3.0 | 4.0 | 4.9 | 12.5 |