

# V2000

## Hydraulic Control Valves



The John Deere 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.

### 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"

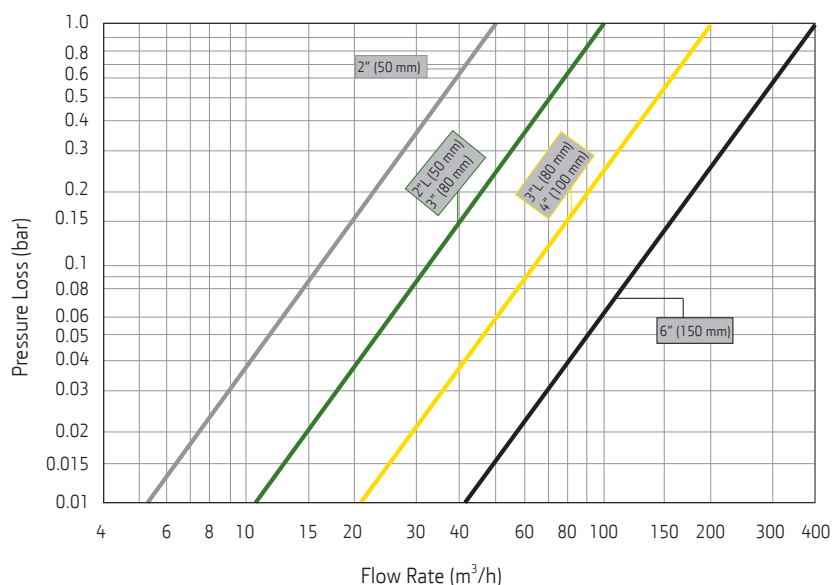
## Configuration Options - V2000 Hydraulic Control Valve

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

## Connections Options - V2000 Hydraulic Control Valve

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

## Flow Chart- V2000 Hydraulic Control Valves



## Dimensions (mm) and Weights (Kg) - V2000 Hydraulic Control Valves

	2" Thread (50 mm)	2" L Thread (50 mm) L	3" Thread (80 mm)	3" Flange (80 mm)	3" L Thread (80 mm) L	3" L Flange (80 mm) L	4" Flange (100 mm)	6" Flange (150 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)	1.35	1.6	1.6	2.5	3.0	4.0	4.9	12.5

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