

A Leader in the Design & Manufacture of Electro-Mechanical Products

DSVP12N DISPENSE VALVE

2-Way, direct-acting, gravity fed solenoid valve designed to dispense water or similar media from a tank.

Applications

- Ice maker equipment
- Tank or boiler draining

Features

- UR, cUR, NSF, & ENEC ^{ENEC Pending}
- Up to 3 psi differential
- Multiple connection options
- Service & configure without tools
- Rotatable coil

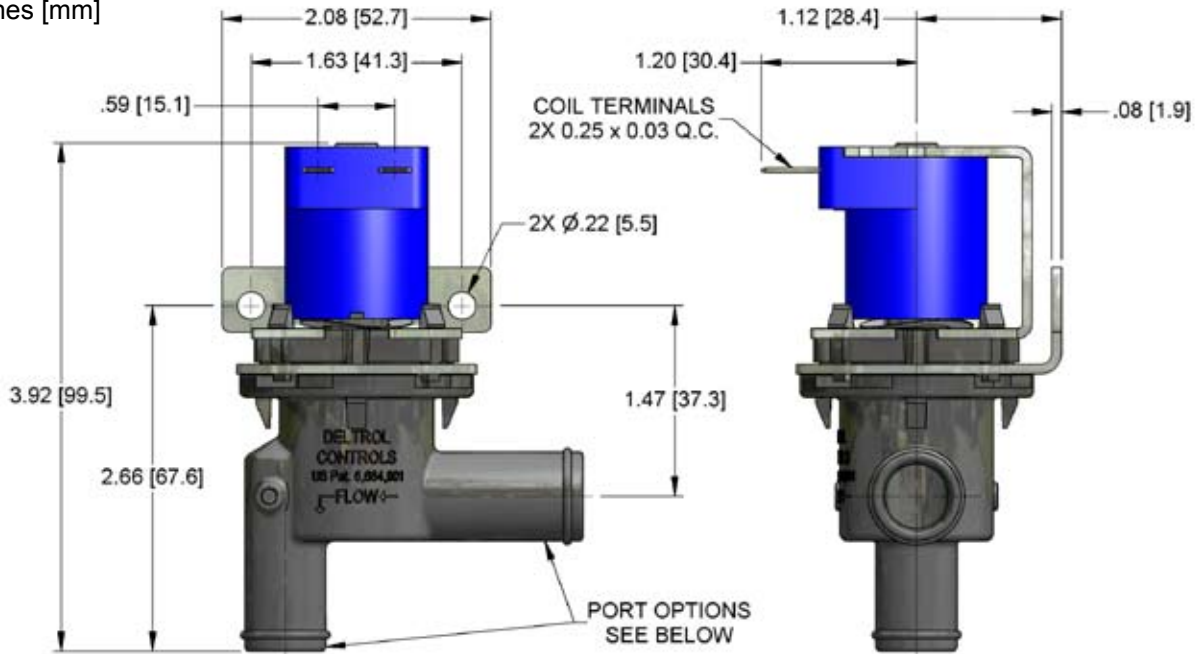


Electrical Specifications	
Coil Voltages	24, 110/120, 220/240 VAC 50/60 Hz 12, 24, 36 VDC
Coil Power	AC valves 12W Cont / 16W Int DC valves 11W Cont
Coil Terminals	0.25" x 0.03" spade terminals
Coil Rectification	All AC coils are rectified - Full and half wave options available
Duty Cycle	Cont = 100% Int = 4 minutes on / 5 minutes off
Coil Treatment	Polyester encapsulated
Insulation Class	Class F (155° C)
Ambient Temperature	25° C
Mechanical Specifications	
Media	Water up to 99° C with Polysulfone & Noryl bodies 77° C with Nylon body
Operating Pressure	0-24 inches water column (up to 3 psi available upon request)
Operating Position	Any position between horizontal and facing up.
Mounting Bracket	Available in any 90° increment - see details on subsequent pages
Inlet / Outlet Connections	See options on subsequent pages.
Vent Tube Option	Available upon request
Valve Body Material	PSU - Polysulfone, PPE - Noryl®, PA66 - Nylon
Diaphragm Material	VMQ - Silicone
Agency Approvals	UR, cUR, NSF, ENEC (ENEC Pending)
Patents	US Patent 6,684,901

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Dimensional View

Units: Inches [mm]



Valve Body Options

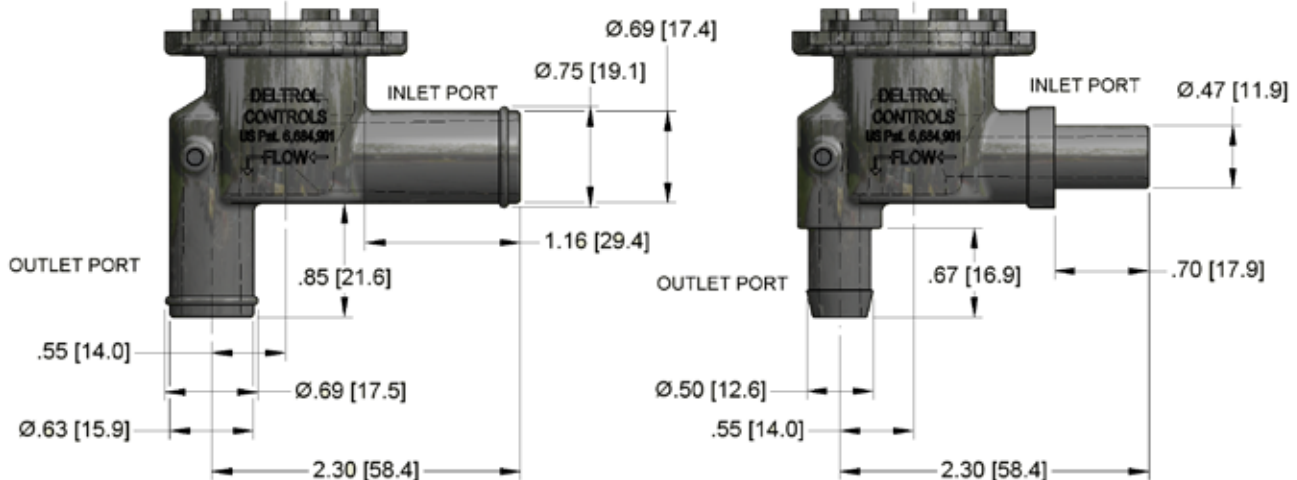
Units: Inches [mm]

Valve Body A

Available in:
 Polysulfone, Noryl®, Nylon

Valve Body B

Available in:
 Polysulfone, Noryl®



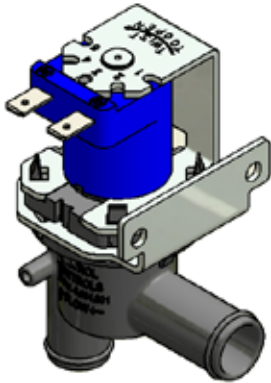
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Mounting Bracket Orientation Options

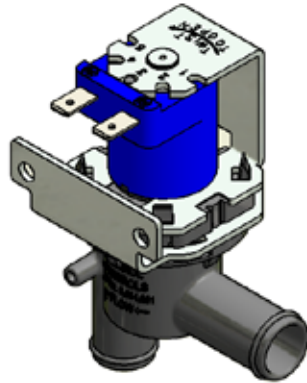
Bracket will be set at specified position during assembly.

Bracket position may also be set to desired position by customer after assembly.

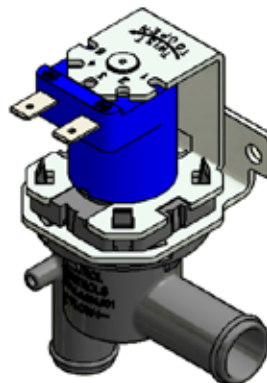
Front over inlet port



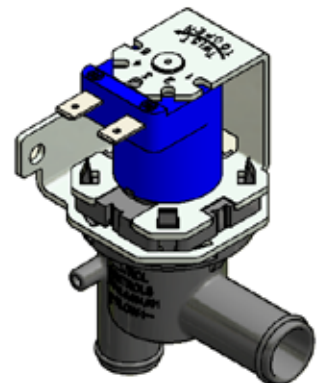
Left of inlet port



Right of inlet port



Back opposite inlet port

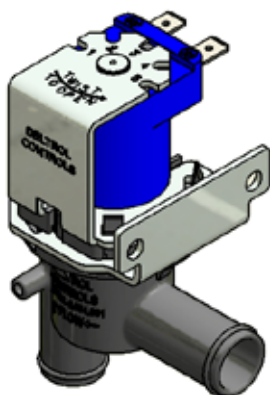


Frame Orientation Options

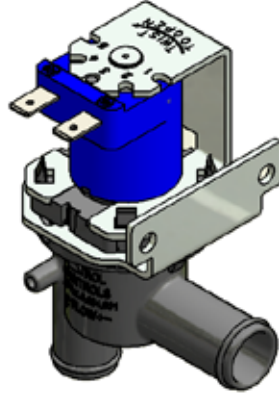
Frame will be set at specified position during assembly.

Frame position may also be set to desired position by customer after assembly.

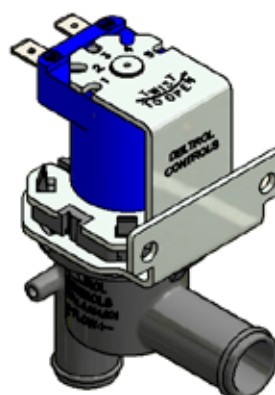
Left of inlet port



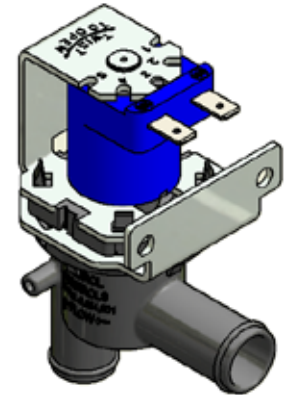
Right of inlet port



Front over inlet port



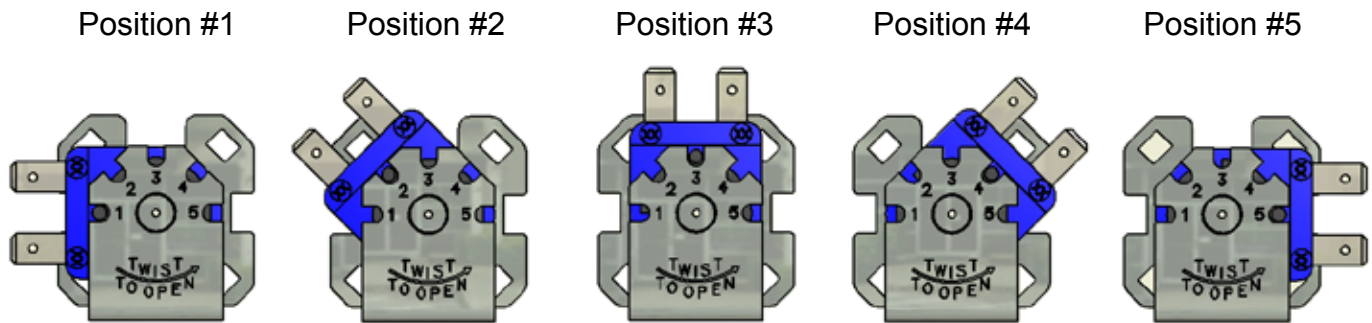
Back opposite inlet port



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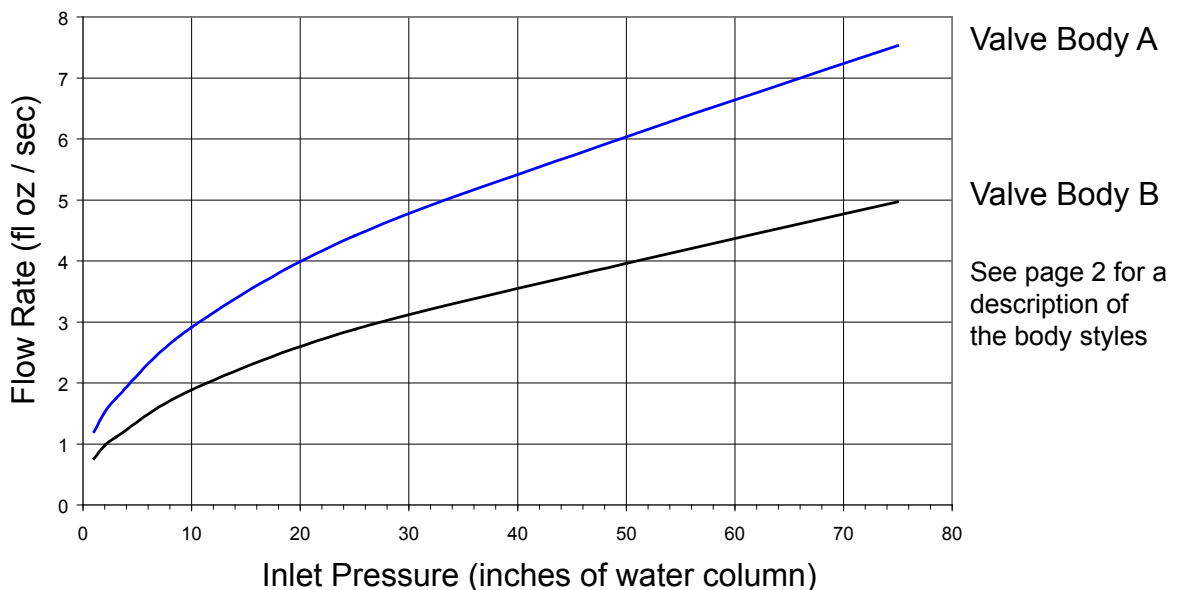
Coil Terminal Orientation Options

Coil terminal orientation will be set at specified position during assembly.
 Coil terminal orientation may also be set to desired position by customer after assembly.



Flow Data

Flow data is approximate and will be affected by application variables.
 User must verify performance in their application.



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Ordering Information

When ordering, please provide as much of the following information as possible to help specify the appropriate valve configuration for your application. If you require assistance, please contact a Deltrol Controls Sales Engineer:

1. What voltage will be supplied to the valve?
 - 12VDC • 24VAC 50/60Hz
 - 24VDC • 110/120VAC 50/60Hz
 - 36VDC • 220/240VAC 50/60Hz
2. What valve body option does your application require? (See Valve Body Options on page 2)
 - Valve body A (Available in Polysulfone, Noryl, or Nylon)
 - Valve body B (Available in Polysulfone or Nylon)
3. How do you want the mounting bracket oriented? (See Mounting Bracket Orientation Options on page 3)
 - Front over inlet port
 - Left of inlet port
 - Right of inlet port
 - Back opposite inlet port
4. How do you want the frame leg oriented? (See Frame Orientation Options on page 3)
 - Front over inlet port
 - Left of inlet port
 - Right of inlet port
 - Back opposite inlet port
5. How do you want the coil terminals oriented? (See Coil Terminal Orientation Options on page 4)
 - Position #1 • Position #4
 - Position #2 • Position #5
 - Position #3
6. What coil spade terminal configuration will your application require?
 - Straight, as shown in the Dimensional View on page 2
 - Bent up (either 45° or 90°), away from valve body
 - Bent down (either 45° or 90°), towards valve body
7. What is the head pressure in your application in inches of water column?