

**HDF-M3H MANUAL ROTARY SPOOL VALVE, 3 WAY 2 POSITION**
**DESCRIPTION**

"High Pressure" 10 size, 7/8-14 thread, "Delta" series, 3 way 2 position, manual rotary spool valve.

**OPERATION**

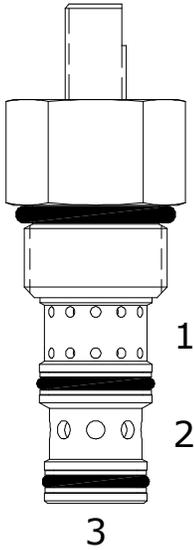
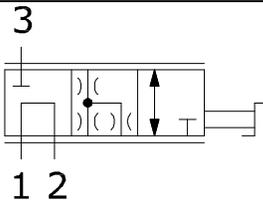
The HDF-M3H, when rotated fully to the clockwise position, directs flow from (2) to (1) or (1) to (2) and blocks flow at (3).

When rotated fully to the counterclockwise position, the cartridge directs flow from (3) to (1) or (1) to (3) and blocks flow at (2).

All ports are open in transition.

**FEATURES**

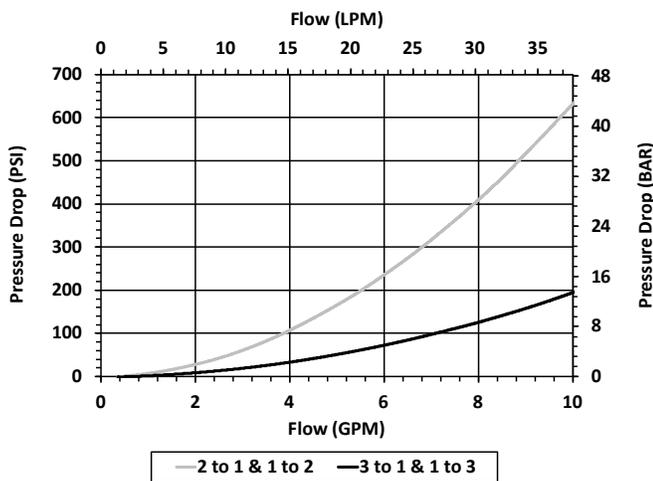
- Hardened parts for long life.
- Industry common cavity.


**HYDRAULIC SYMBOL**


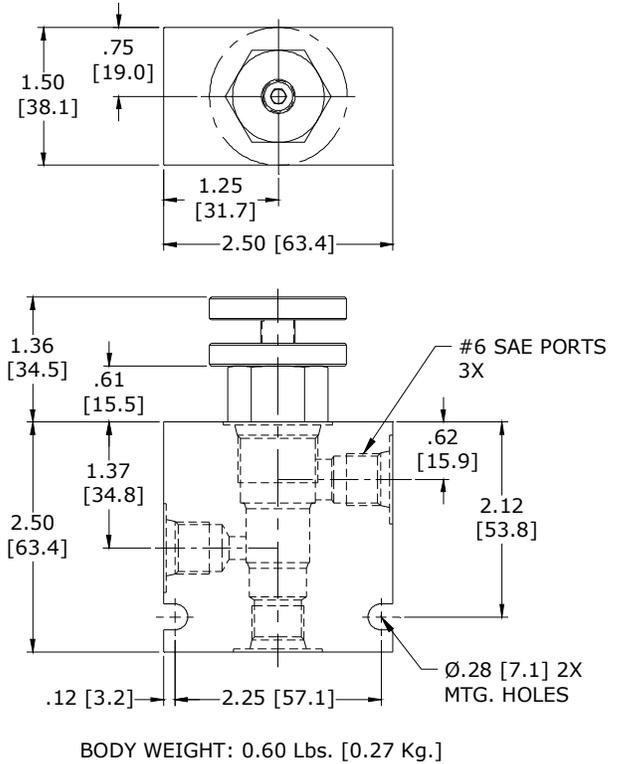
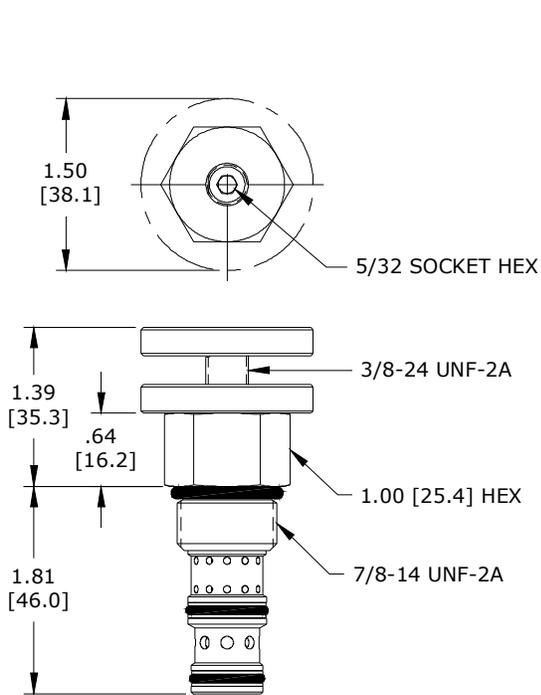
May be used as metering product. Valve has approximately 3.5 turns of adjustment from extreme clockwise fully to counterclockwise positions. See chart for pressure drop in both fully stroked positions.

**PERFORMANCE**

Actual Test Data (Cartridge Only)


**VALVE SPECIFICATIONS**

Nominal Flow	See performance curves
Rated Operating Pressure	4200 PSI (290 bar)
Typical Internal Leakage (150 SSU)	5 cu in/min (82 ml/min)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	0.49 lbs. (0.22 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	40 ft-lbs (54 Nm)
Cavity	<a href="#">DELTA 3W</a>
Cavity Form Tool (Finishing)	40500001
Seal Kit	21191210

**DIMENSIONS**

**ORDERING INFORMATION**

<b>HDF-M3H</b> - - -			
<b>OPTIONS</b>			<b>BODIES</b>
Buna Standard	<b>00</b>	Blank	Without Body
Viton Standard	<b>V0</b>	<b>N</b>	1/4 NPTF Ports
Buna, Knob	<b>0K</b>	<b>S</b>	#6 SAE Ports
Viton Knob	<b>VK</b>		

**WARNING:** the specifications/application data shown in our catalogs and data sheets are intended only as a general guide for the product described (herein). Any specific application should not be undertaken without independent study, evaluation, and testing for suitability.