

HDF-M3C 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

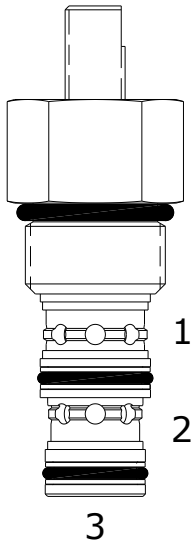
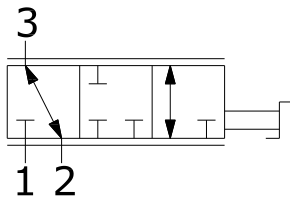
The HDF-M3C, when rotated fully to the clockwise position, directs flow from (2) to (3) or (3) to (2) and blocks flow at port (1).

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

All ports are closed in transition.

FEATURES

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

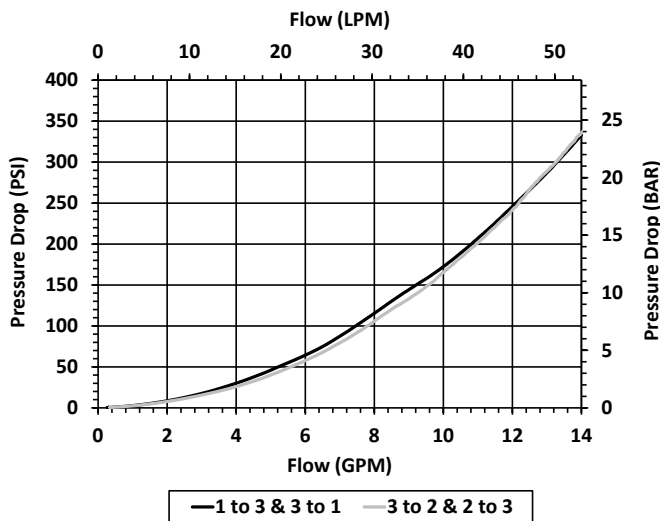

HYDRAULIC SYMBOL


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 positions.

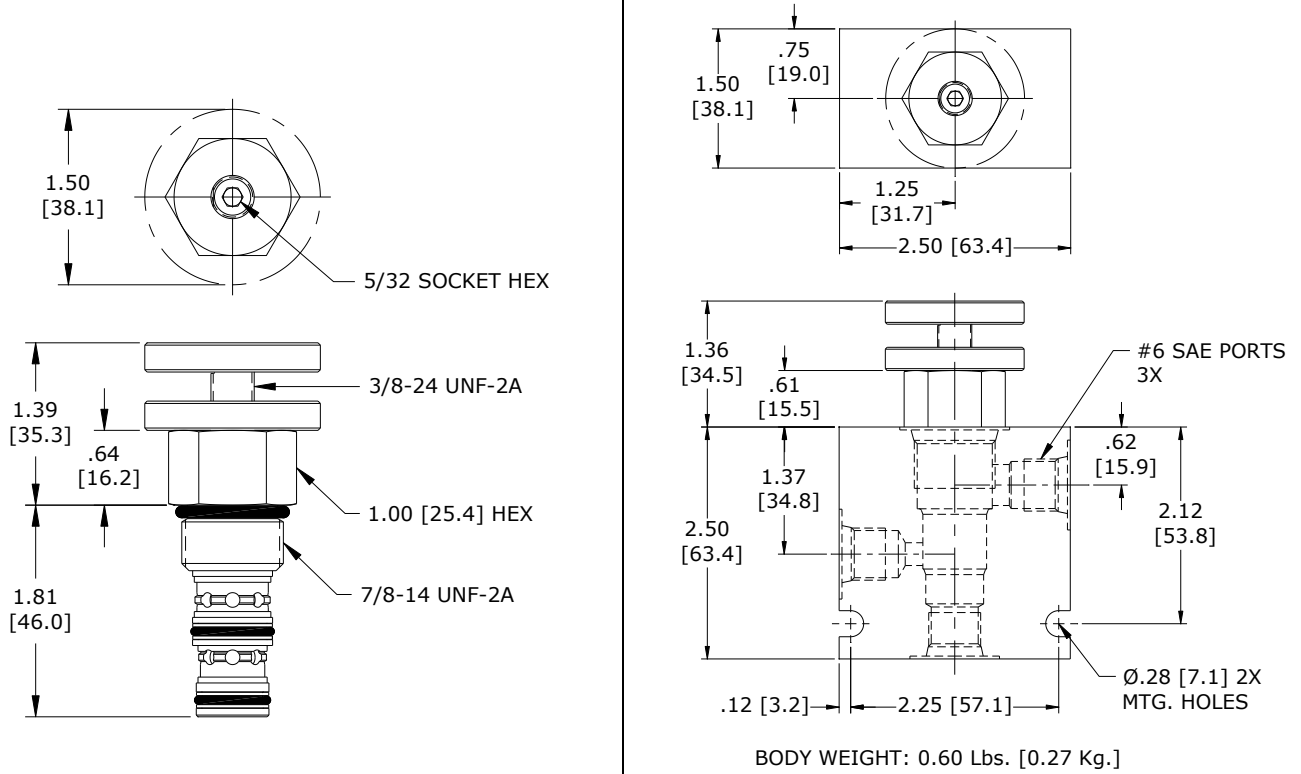
Installation of this valve does not allow for the use of orifice disks beneath the valve in a standard cavity.

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 per 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	DELTA 3W
Cavity Form Tool (Finishing)	40500001
Seal Kit	21191210

DIMENSIONS

ORDERING INFORMATION

HDF-M3C - - -			
OPTIONS			BODIES
Buna Standard	00	Blank	Without Body
Viton Standard	V0	N	1/4 NPTF Ports
Buna, Knob	OK	S	#6 SAE Ports
Viton Knob	VK		

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.