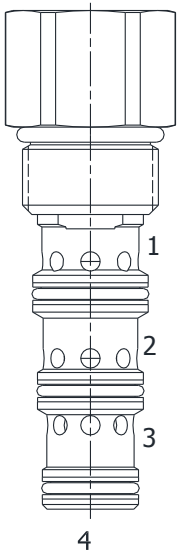


HG-PDA PILOTED DIRECTIONAL VALVE, 4 WAY NORMALLY CLOSED



DESCRIPTION

10 size, 7/8-14 thread, "Delta" series, 4 way piloted directional valve.

OPERATION

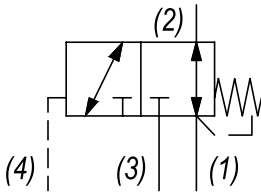
The HG-PDA in neutral (un-piloted), allows flow between (2) and (1) bi-directionally, while blocking at (3). The spring chamber is constantly vented at (1). On attainment of a predetermined pressure at (4), the cartridge redirects flow from (2) to (1), to (2) to (3).

Note: that the backpressure value at (1) must be added to the selected pressure setting to determine pilot pressure necessary to shift valve to second position.

FEATURES

- Hardened parts for long life.
- Industry common cavity

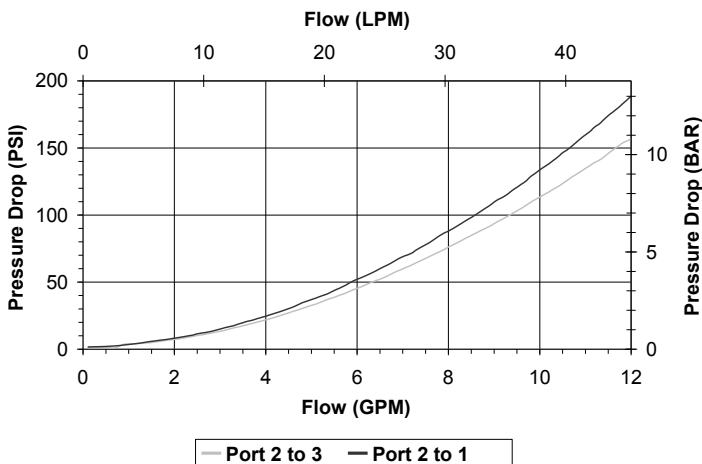
HYDRAULIC SYMBOL



.030 to .060 diameter orifice recommended beneath port (4).

PERFORMANCE

Actual Test Data (Cartridge Only)



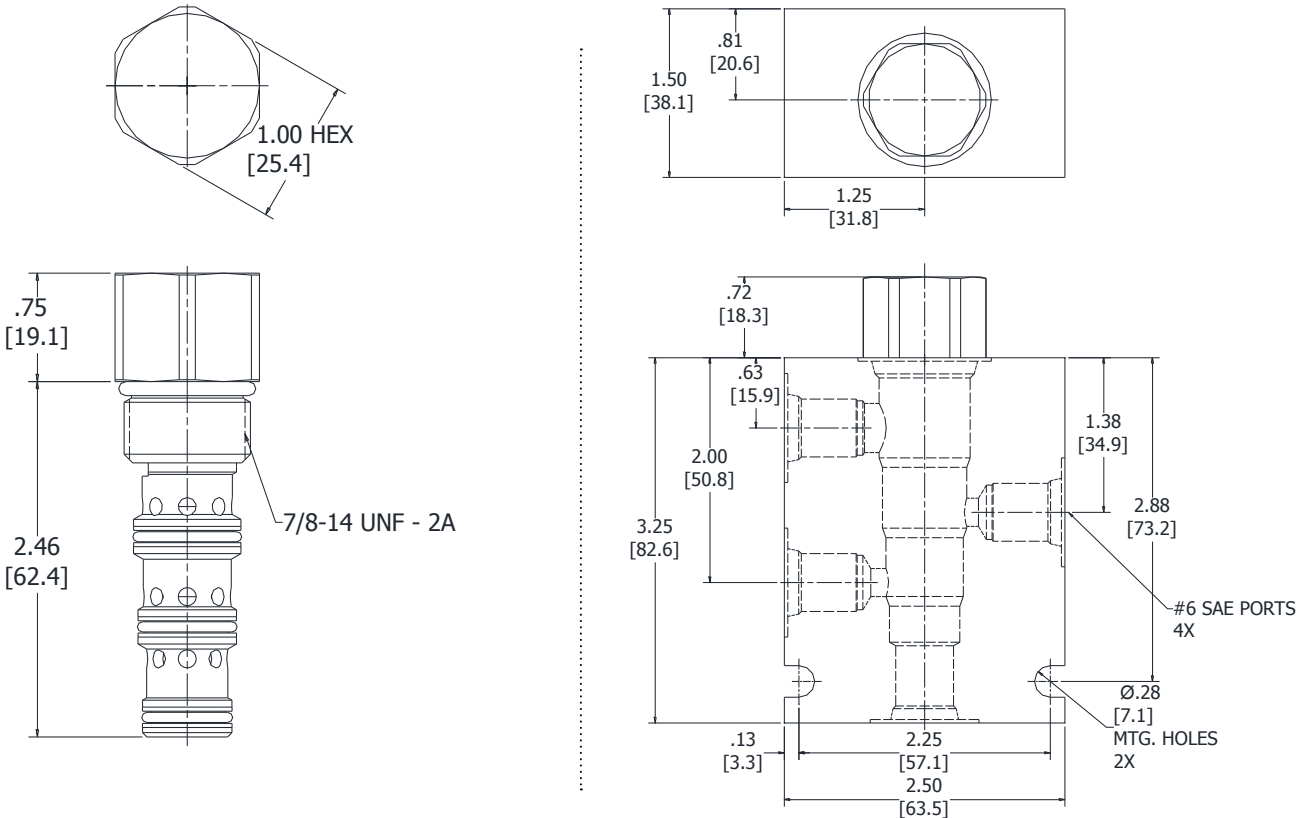
VALVE SPECIFICATIONS

Nominal Flow	10 GPM (38 LTR/M)
Rated Operating Pressure	4000 PSI (276 bar)
Typical Internal Leakage (150 SSU)	8 cu in/min (82 ml/min)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	.63 lbs (.28 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	40 ft-lbs (40.6 Nm)
Cavity	DELTA 4W
Cavity Form Tool (Finishing)	40500002
Seal Kit	21191214

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.

Via Malavolti, 36 - 41122 Modena - ITALY - Phone +39 (059) 254895 - Fax +39 (059) 253512 - mail: tecnord@tecnord.com - www.tecnord.com

DIMENSIONS



Body Weight: .99 lbs (.45 kg)

ORDERING INFORMATION

HG-PDA -		-	-	-
OPTIONS				
Buna Standard	00			
Viton Standard	V0			
BODIES				
Blank	Without Body			
N	1/4" NPTF Ports			
S	#6 SAE Ports			
PRESSURE SETTINGS				
0040	40 PSI			
0080	80 PSI			
0160	160 PSI			

W.50/2022

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.