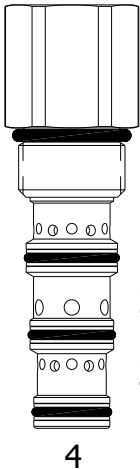


HDG-PCB PRESSURE COMPENSATING VALVE, RESTRICTIVE TYPE WITH BY-PASS



DESCRIPTION

"High Pressure" 10 size, 7/8-14 thread, "Delta" series, pressure compensating valve, restrictive type with bypass.

OPERATION

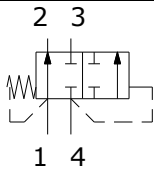
The HDG-PCB allows pressure compensated or proportional flow from (1) to (2) regulated by the pressure differential across (1) and (4) with a bypass of (4) to (3).

The spring chamber is constantly connected at (1).

FEATURES

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

HYDRAULIC SYMBOL

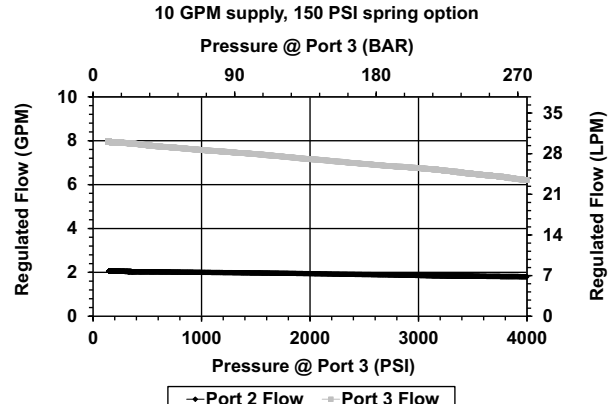
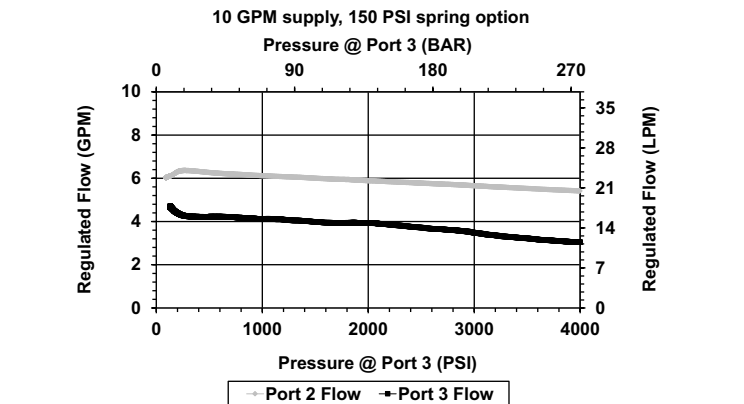
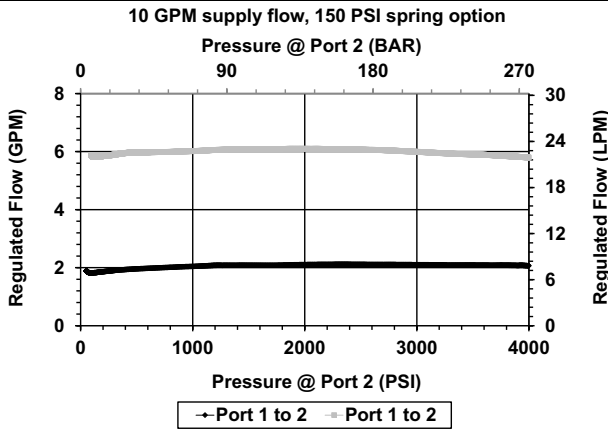


PERFORMANCE

Actual Test Data (Cartridge Only)

VALVE SPECIFICATIONS

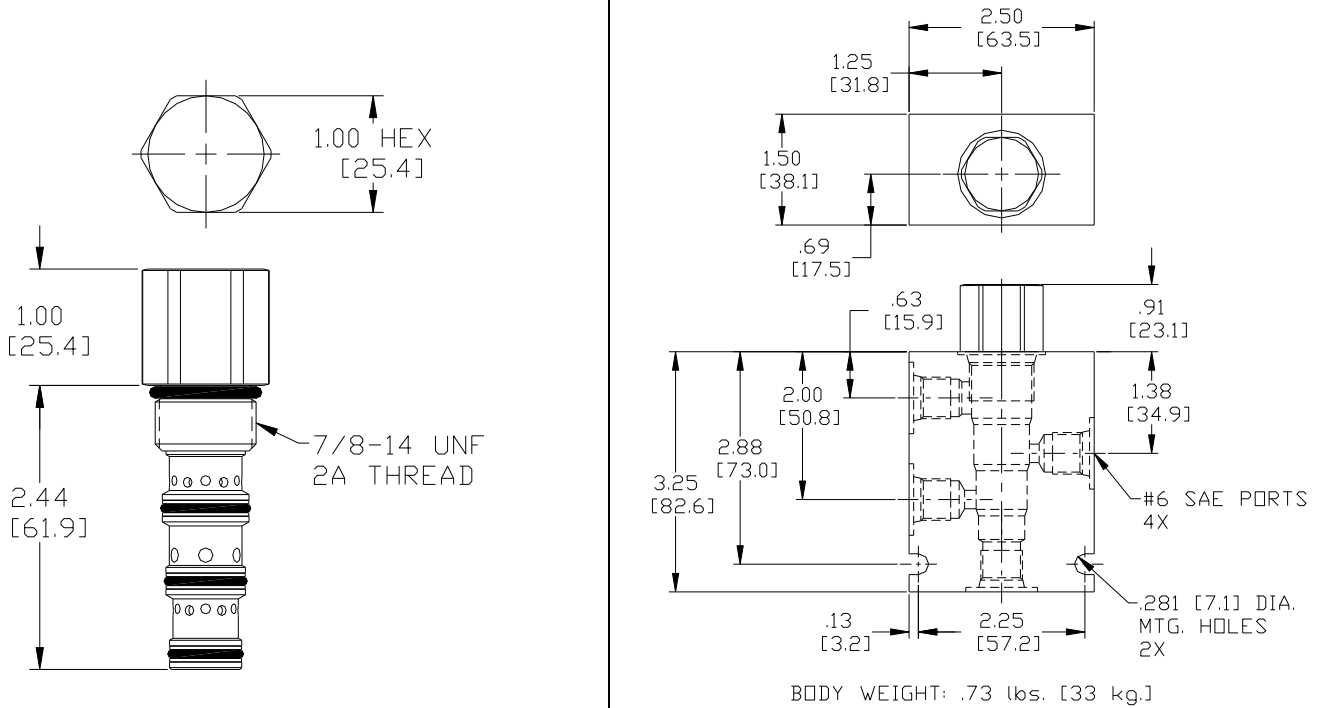
Maximum Regulated Flow	8 GPM (30 LPM)
Rated Operating Pressure	4200 PSI (290 bar)
Typical Internal Leakage (150 SSU)	5 cu in/min (82 ml/min) per path
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	0.38 lbs. (0.17 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	40 ft-lbs (54 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.

W51 / 2-2023

DIMENSIONS



ORDERING INFORMATION

HDG-PCB		-	-	-	-
OPTIONS					
Buna Standard	00			Blank	BODIES
Viton Standard	V0			N	Without Body
				S	1/4 NPTF Ports
					#6 SAE Ports
					PRESSURE DIFFERENTIAL
			0150		150 PSI

Note: Aluminum **NOT** durability rated for 4200 PSI. Consult factory for body options.

Differential Pressure Across External Controlling Orifice

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.