DG-CDP   DOUBLE PILOT OPERATED CHECK VALVE
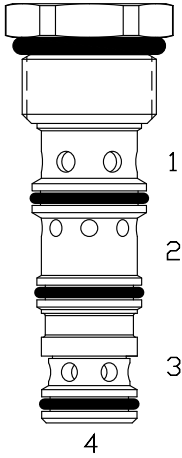
DESCRIPTION
10 size, 7/8 -14 thread, "Delta" series, double pilot operated check valve.

OPERATION
The DG-CDP allows flow to pass from (3) to (4) and (2) to (1). The valve blocks flow from (4) to (3) and from (1) to (2). Blocked flow is released when pilot pressure is applied to the port opposite of (3) and/or (2) respectively. The valve has a 3:1 pilot ratio, so at least 1/3 of the load pressure at port (4) or (1) is required at the pilot line ports "ports (4) or (1) respectively" to open the flow passage to allow flow from port (4) or (1) respectively. The check spring biased at 20 PSI (1.4 bar) to assure holding in the static or no-load conditions.
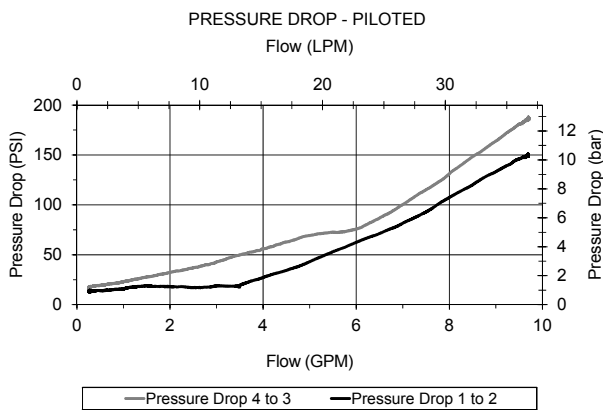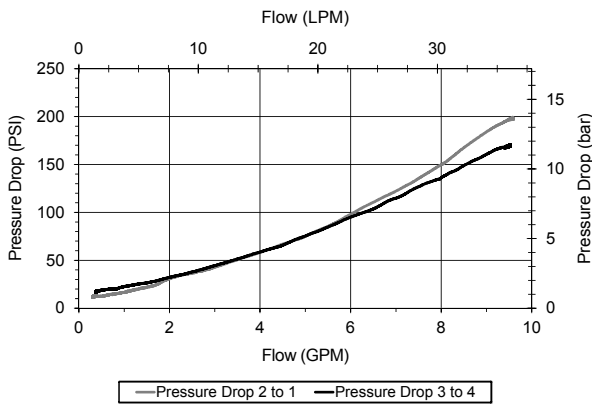
FEATURES
• Hardened parts for long life.
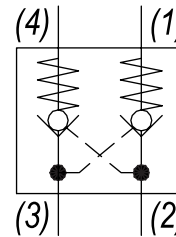• Industry common cavity.

Great for "in Cylinder" use application.

PERFORMANCE

Actual Test Data (Cartridge Only)

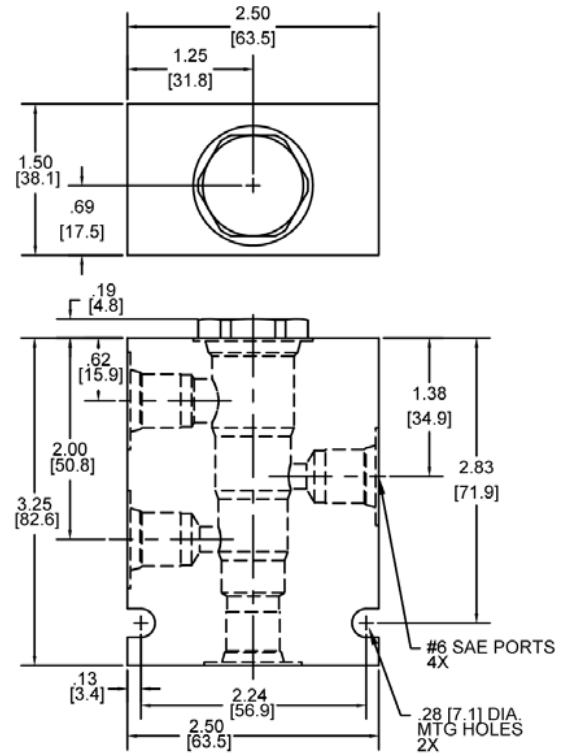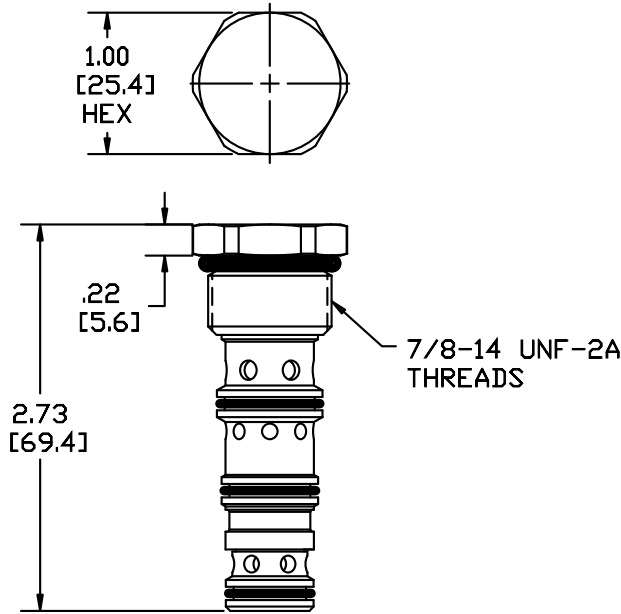Pressure Drop 2 to 1 — Pressure Drop 3 to 4

PRESSURE DROP - PILOTED

Pressure Drop 4 to 3 — Pressure Drop 1 to 2

HYDRAULIC SYMBOL

VALVE SPECIFICATIONS

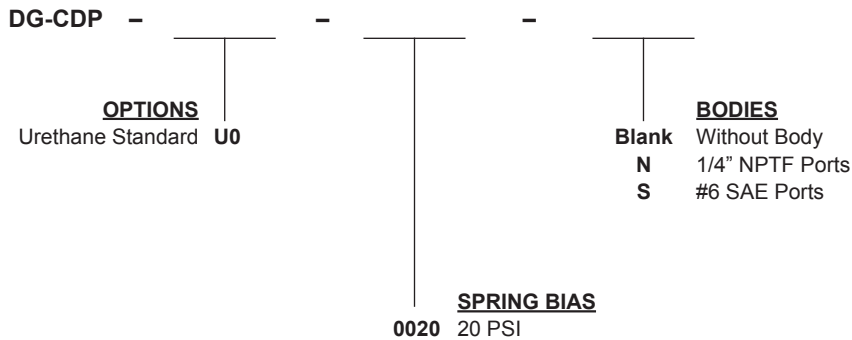|	
Nominal Flow	8 GPM (30 LPM)
Rated Operating Pressure	3000 PSI (207 bar)
Typical Internal Leakage (150 SSU)	0-5 drops/min
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temp. Range	-40° to 250°F (-40° to 120°C)
Weight	.20 lbs (.09 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	30 ft-lbs (40.6 Nm)
Cavity	DELTA 4W
Cavity Form Tool (Finishing)	40500002
Seal Kit	21191216

Delta Power Company

4484 Boeing Drive Rockford, IL 61109 • USA • Phone +1 (815) 397-6628 • Fax +1 (815) 397-2526
mail: delta@delta-power.com • **www.delta-power.com**

W 51 / 12-2022

DIMENSIONS

1.00
[25.4]
HEX

.22
[5.6]

7/8-14 UNF-2A
THREADS

2.73
[69.4]

2.50
[63.5]

1.25
[31.8]

1.50
[38.1]

.69
[17.5]

.19
[4.8]

.62
[15.9]

2.00
[50.8]

3.25
[82.6]

1.38
[34.9]

2.83
[71.9]

.13
[3.4]

2.24
[56.9]

2.50
[63.5]

#6 SAE PORTS
4X

.28 [7.1] DIA.
MTG HOLES
2X

Body Weight: .99 lbs (.45 kg)

ORDERING INFORMATION

DG-CDP – _____ – _____ – _____

OPTIONS
Urethane Standard **U0**

BODIES
Blank Without Body
N 1/4" NPTF Ports
S #6 SAE Ports

SPRING BIAS
0020 20 PSI