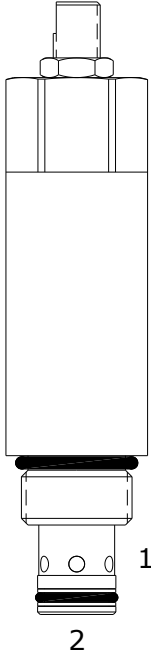


HDE-RWC CROSSOVER RELIEF VALVE, FOR SERIES CIRCUITS



DESCRIPTION

“High Pressure” 10 size, 7/8-14 thread, “Delta” series, crossover relief valve for series circuit application

OPERATION

The HDE-RWC is a direct-acting, cross over relief valve. When pressure at either port exceeds the nominal setting value, flow will be diverted to the opposite port.

Back pressure at either port will affect the nominal setting of the opposite port on a 1:1 basis.

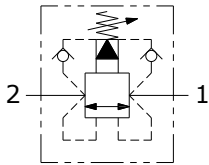
For correlation purposes, pre-set value will be measured at port (2). Pressure at port (1) will not vary more than ±300 PSI from the port (2) value.

The cartridge offers smooth transition in response to load changes in common hydraulic circuits.

FEATURES

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

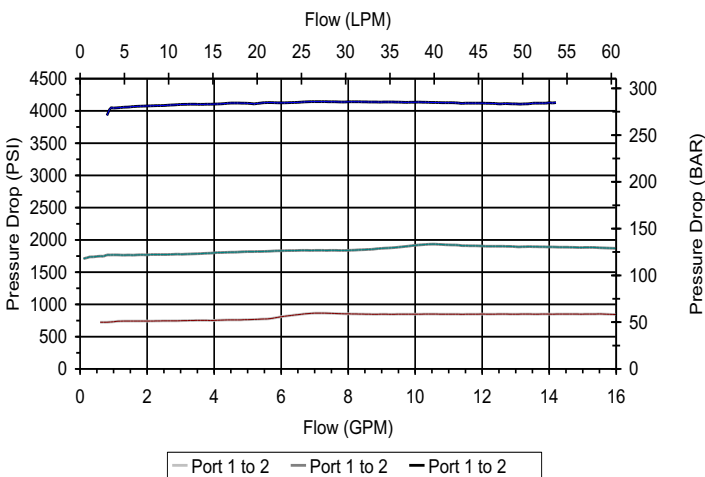
HYDRAULIC SYMBOL



The HDE-RWC is designed for series circuit applications with controlled leakage between ports (2) and (1). For parallel circuits, use HDE-RWB.

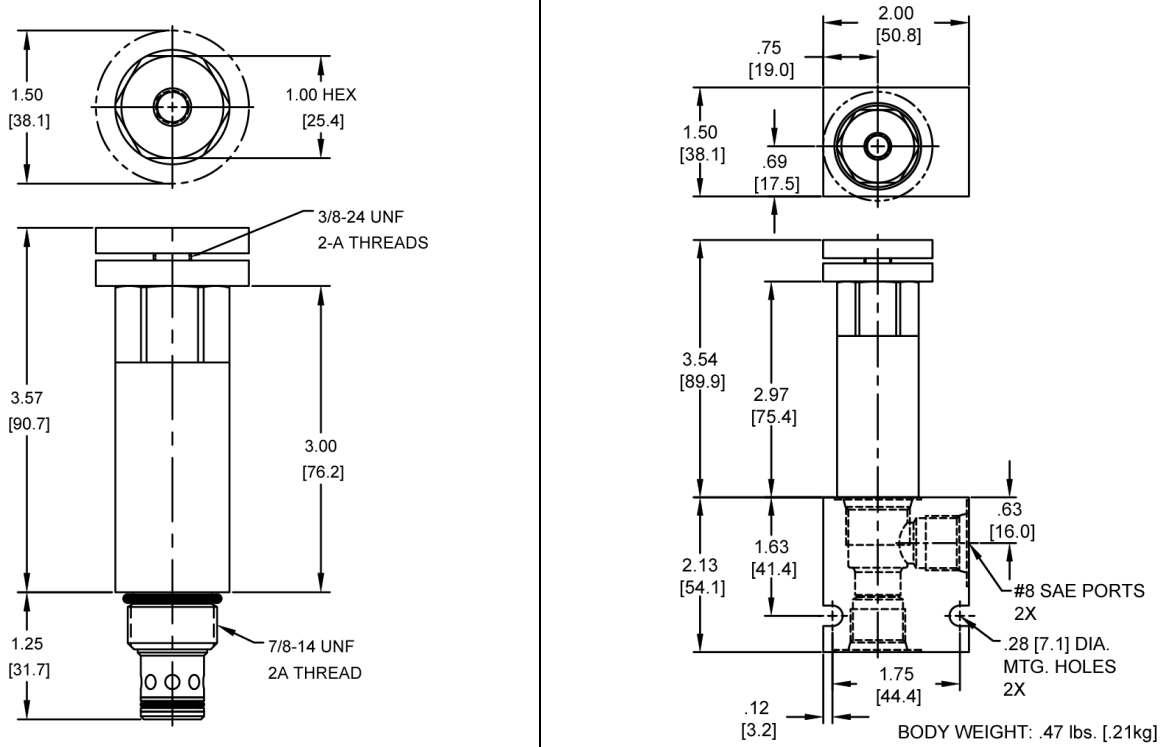
PERFORMANCE

Actual Test Data (Cartridge Only)



VALVE SPECIFICATIONS

Nominal Flow	15 GPM (57 LPM) from (2) to (1) 20 GPM (76 LPM) from (1) to (2)
Rated Operating Pressure	4200 PSI (290 bar)
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	0.80 lbs. (0.36 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	50 ft-lbs (68 Nm)
Cavity	DELTA 2W
Cavity Form Tool (Finishing)	40500000
Seal Kit	21191202

DIMENSIONS

ORDERING INFORMATION
HDE-RWC

OPTIONS

Buna Standard **00**
 Viton Standard **V0**
 Buna, Knob **0K**
 Viton, Knob **VK**

BODIES

Blank
N
S
 Without Body
 3/8 NPTF Ports
 #8 SAE Ports

PRESSURE RANGE/SETTING

0700 100 – 700 PSI
1800 500 – 1800 PSI
4200 1000 – 4200 PSI

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.