DE-RCA GUIDED BALL, DIRECT ACTING RELIEF VALVE

DESCRIPTION

OPERATION
The DE-RCA blocks flow from (2) to (1) until sufficient pressure is present at (2) to force the poppet to open and allow metered flow from (2) to (1). 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

Installation Space Saving Product. Cannot be field adjusted. Not recommended for crossover relief valve applications, use DE-RWA.

PERFORMANCE
Actual Test Data (Cartridge Only)

VALVE SPECIFICATIONS
- Nominal Flow: 12 GPM (45 LPM)
- Rated Operating Pressure: 3500 PSI (241 bar)
- 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: .38 lbs (.17 kg)
- Operating Fluid Media: General Purpose Hydraulic Fluid
- Cartridge Torque Requirements: 30 ft-lbs (40.6 Nm)
- Cavity: DELTA 2W
- Cavity Form Tool (Finishing): 40500000
- Seal Kit: 21191200

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### DIMENSIONS

- **DE-RCA**
  - 1.00 HEX [25.4]
  - 1.70 [43.2]
  - 1.25 [31.7]
- **OPTIONS**
  - Buna Standard 00
  - Viton Standard V0
- **BODIES**
  - Blank N
  - 3/8" NPTF Ports S
  - #8 SAE Ports #8
- **PRESSURE RANGE/SETTING**
  - 2500 100 - 2500 PSI
  - 3500 250 - 3500 PSI

**Body Weight**: .47 lbs (.21 kg)