DF-FAP  FULLY ADJUSTABLE PRIORITY FLOW CONTROL VALVE WITH BYPASS

DESCRIPTION
10 size, 7/8-14 thread, “Delta” series, fully adjustable priority flow control valve with bypass.

OPERATION
The DF-FAP allows pressure compensated flow from (3) to (1), regulated by the pressure present at (3). Excess flow bypasses out (2). Can be used as a restrictive pressure compensated flow control when the bypass port (2) is blocked.

FEATURES
• Hardened cage and spool for long life.
• Industry common cavity.

HYDRAULIC SYMBOL

PERFORMANCE
Actual Test Data (Cartridge Only)

When used as a bypass flow control in applications where the priority flow port will be blocked by external valving, bypass pressure drop will increase unless a small amount of leakage is provided for the priority port. Consult factory.

VALVE SPECIFICATIONS

Max Regulated Flow 10 GPM (38 LPM)
Rated Operating Pressure 3000 PSI (207 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 .40 lbs (.18 kg)
Operating Fluid Media General Purpose Hydraulic Fluid
Cartridge Torque Requirements 30 fl-lbs (40.6 Nm)
Cavity DELTA 3W
Cavity Form Tool (Finishing) 40500001
Seal Kit 21191210

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.

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DIMENSIONS

ORDERING INFORMATION

DF-FAP

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

BODIES
Blank Without Body
N 3/4" NPTF Ports
S #12 SAE Ports

FLOW SETTING
XXXX 1 to 10 GPM

Preset & Tamper Proof
Example: 0005 - 5 GPM ±10%