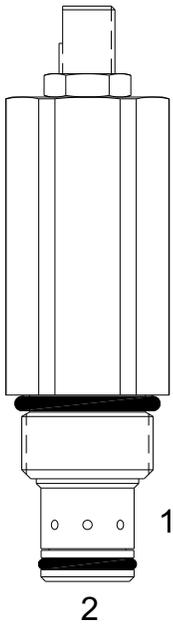


HDE-FAR FULLY ADJUSTABLE FLOW CONTROL VALVE, PRESSURE COMPENSATED



DESCRIPTION

“High pressure” 10 size, 7/8-14 thread, “Delta” series, pressure compensated, fully adjustable flow control valve.

OPERATION

The HDE-FAR maintains a constant flow rate out of (1) regardless of load pressure changes in the circuit downstream of (1).

The adjustable control orifice can be set to customer flow specification.

The valve begins to respond to load changes when the flow through the valve creates a pressure differential across the control orifice. Consult chart to see regulation at high and low adjustment settings.

Reverse flow (1) to (2) returns through the control orifice and is non-compensated.

The regulated flow increases from low to high with counterclockwise rotation of the adjustment knob.

FEATURES

- Hardened parts for long life.
- Industry common cavity.
- Fine low-torque adjustment.

VALVE SPECIFICATIONS

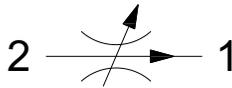
Max Regulated Flow	12 GPM (45 LPM)
Rated Operating Pressure	4200 PSI (290 bar)
Viscosity Range	36 to 3000 SSU (3 to 647 cSt)
Filtration	ISO 18/16/13
Media Operating Temperature Range	-40° to 250° F (-40° to 120° C)
Weight	0.40 lbs. (0.18 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	40 ft-lbs (54 Nm)
Cavity	DELTA 2W
Cavity Form Tool (Finishing)	40500000
Seal Kit	21191200



“Fully Adjustable,” Valve can be adjusted down to leakage flow.

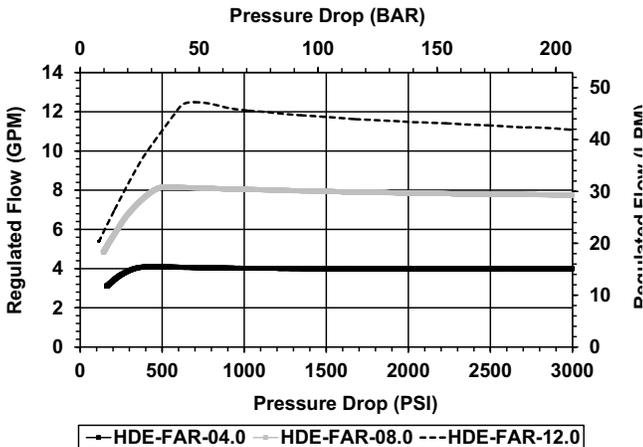
For lower flows/pressure drop or fine adjustment, see DE-FAR.

HYDRAULIC SYMBOL



PERFORMANCE

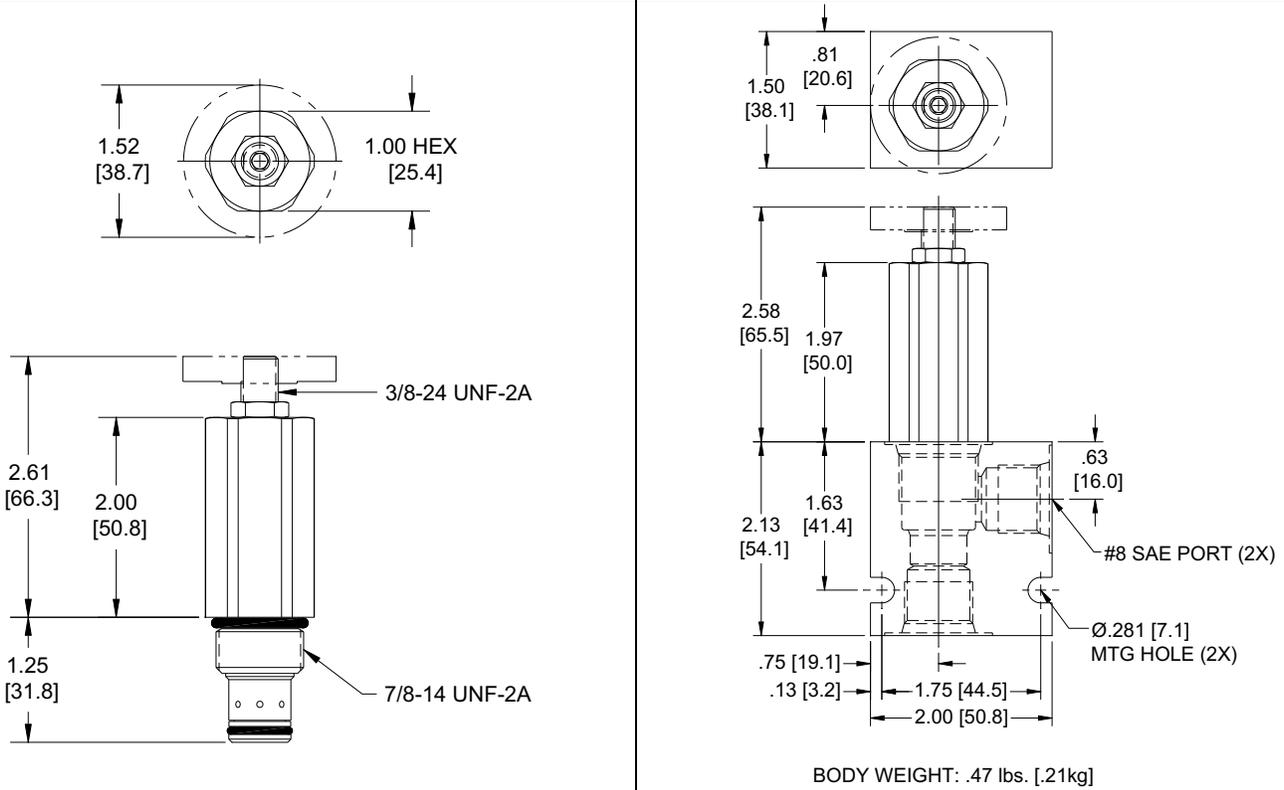
Actual Test Data (Cartridge Only)



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

HDE-FAR - - - - -

<u>OPTIONS</u>	
Buna, Standard	00
Viton, Standard	V0
Buna, Knob	0K
Viton, Knob	VK

<u>BODIES</u>	
Blank	Without Body
N	3/8 NPTF Ports
S	#8 SAE Ports

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

SETTING (IF REQUIRED) 0 to maximum at 0.1 increments are factory available

Blank = NOT FACTORY PRE-SET

Example: 0000 = 0 GPM
 04.0 = 4.0 GPM
 11.1 = 11.1 GPM

STD. FLOW RANGES

Blank 0 – 12 GPM - Full flow range

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.