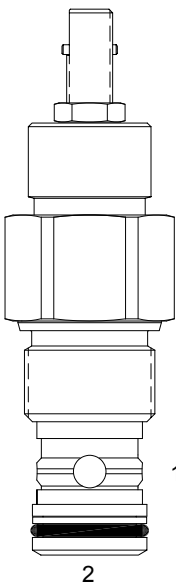


HT-FCA ADJUSTABLE FLOW CONTROL VALVE, PRESSURE COMPENSATED



DESCRIPTION

“High Pressure” 12 size, 1 1/16 -12 thread, “Tecnord” series, pressure compensated, flow control valve.

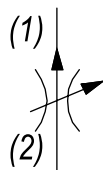
OPERATION

The HT-FCA 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 (see options for ranges). 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 clockwise rotation of the adjustment screw.

FEATURES

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

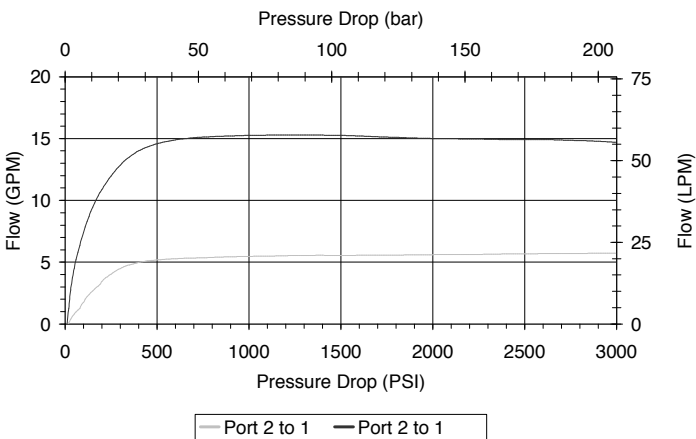
HYDRAULIC SYMBOL



Valve can adjust down to approximately 1 GPM.
Optimum flow regulation performance achieved when pressure differential is between 500 & 2500 PSI from port (2) to (1).

PERFORMANCE

Actual Test Data (Cartridge Only)



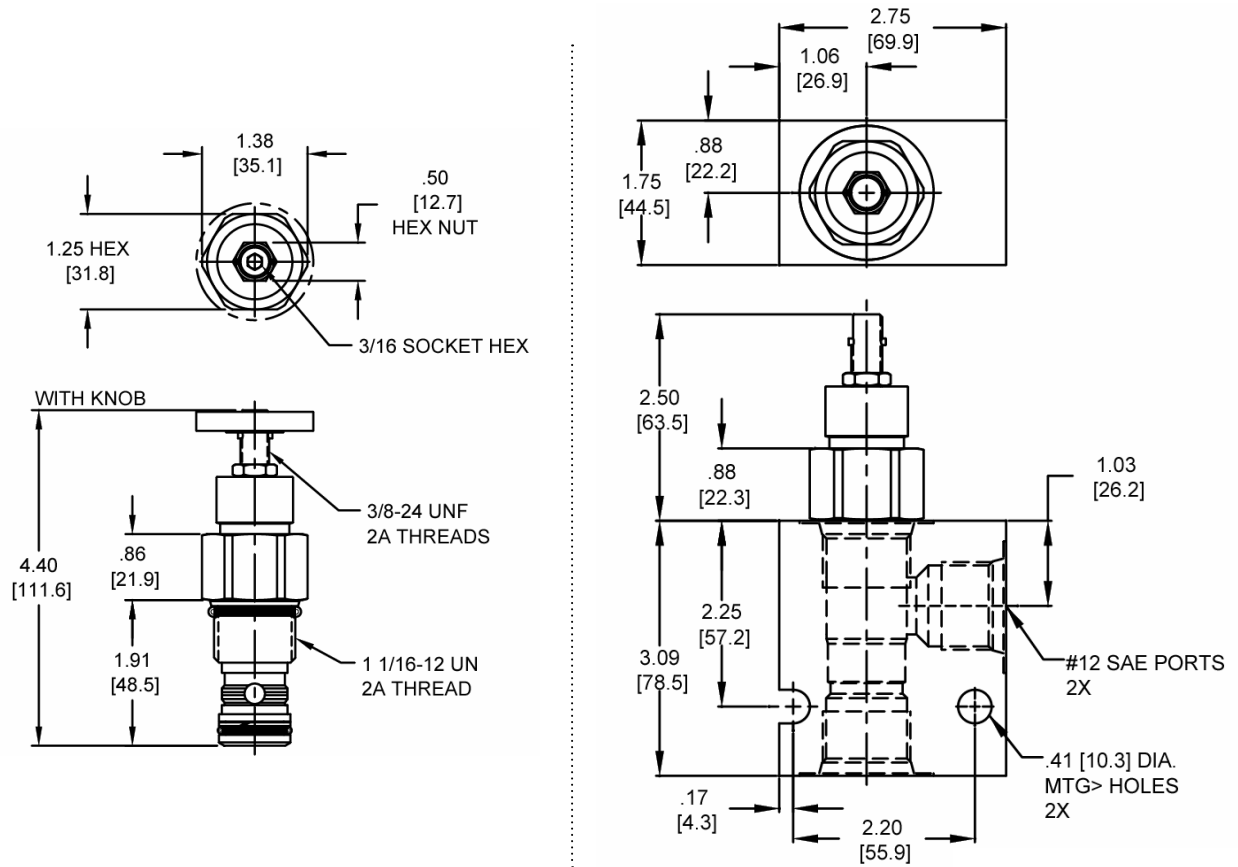
VALVE SPECIFICATIONS

Max Regulated Flow	18 GPM (68 LPM)
Rated Operating Pressure	5000 PSI (345 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	.73 lbs (.33 kg)
Operating Fluid Media	General Purpose Hydraulic Fluid
Cartridge Torque Requirements	70 ft-lbs (95 Nm)
Cavity	TECNORD 2W
Cavity Form Tool (Finishing)	40500032
Seal Kit	21191300

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.

W/ 50/2022

DIMENSIONS



Body Weight: 3.7 lbs (1.7 kg)

ORDERING INFORMATION

HT-FCA - - -			
OPTIONS		BODIES	
Buna Standard	00	Blank	Without Body
Viton Standard	V0	S	#12 SAE Ports
Buna, Knob	0K		
Viton, Knob	VK		
		FLOW	
		XXXX 0-18 GPM	
		Preset & Tamper Proof	
		Example: 0015 - 15 GPM ±10%	

Note: aluminum NOT durability rated for 4000 PSI. Consult factory for options.

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