

2

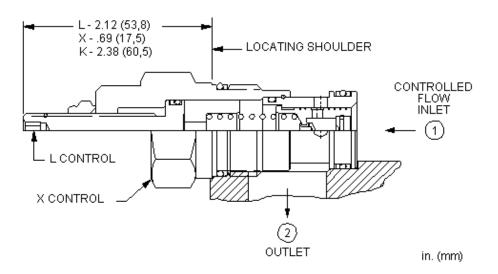
1

MODEL **FXDA**

Fixed-orifice, pressure compensated flow control valve CAPACITY: 12 gpm / CAVITY: T-5A



sunhydraulics.com/model/FXDA



Fixed-orifice, pressure-compensated flow controls provide precise flow regulation for meter-in or meter-out applications where there may be wide pressure fluctuations. The flow setting is specified by the user and is set at the factory.

TECHNICAL DATA	NOTE: DATA MAY VARY BY CONFIGURATION. SEE CONFIGURATION SECTION.
-----------------------	--

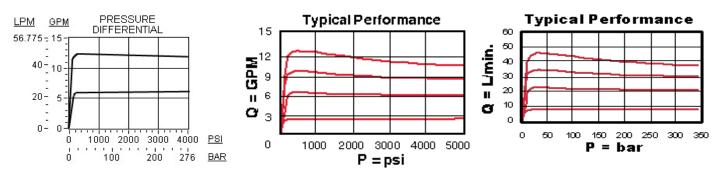
Cavity	T-5A				
Series	2				
Capacity	12 gpm				
Maximum Operating Pressure	5000 psi				
Valve Hex Size	1 1/8 in.				
Valve Installation Torque	45 - 50 lbf ft				
Adjustment Screw Internal Hex Size	5/32 in.				
Locknut Hex Size	9/16 in.				
Locknut Torque	80 - 90 lbf in.				
Model Weight	.40 lb				
Seal kit - Cartridge	Buna: 990-203-007				
Seal kit - Cartridge	EPDM: 990-203-014				
Seal kit - Cartridge	Viton: 990-203-006				

OPTION SELECTION EXAMPLE: FXDAXANV

CONTROL		(X)	SETTING RANGE (A) SEAL MATERIAL		LMATERIAL	(V)		MATERIAL/COATING	
Х	Not Adjustable		A Replaceable Orifice .1 - 12	gpm (0,4	V	Viton			Standard Material/Coating
С	Tamper Resistant - Factory Set		- 45 L/min.)		Е	EPDM		/AP	Stainless Steel, Passivated
L	Tuning Adjustment		B Permanent Orifice .1 - 12 g 45 L/min.)	ıpm (0,4 -	Ν	Buna-N		/LH	Mild Steel, Zinc-Nickel

TECHNICAL FEATURES

- Customer must specify a flow rating. Factory set flow ratings are within +/- 10% of the requested setting.
- Cartridges configured with EPDM seals are for use in systems with phosphate ester fluids. Exposure to petroleum based fluids, greases and lubricants will damage the seals.
- All 2-port flow control cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- The tuneable control option provides +/- 25% variation from the nominal factory pre-set flow. Turn the adjustment clockwise to increase.
- Corrosion resistant cartridge valves are intended for use in corrosive environments and are identified by the model code suffix /AP for external stainless steel components, or /LH for external zinc-nickel plated components. See the CONFIGURATION section for all options. For further details, please see the Materials of Construction page located under TECH RESOURCES.
- Incorporates the Sun floating style construction to minimize the possibility of internal parts binding due to excessive installation torque and/or cavity/cartridge machining variations.



PERFORMANCE CURVES