

## Fully adjustable pressure compensated flow control valve with reverse flow check

Capacity:  
25 gpm (95  
L/min.)

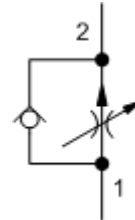
Functional Group:

Products : Cartridges : Flow Control : 2 Port : Fully Adjustable, Pressure Compensated, with Reverse Flow Check

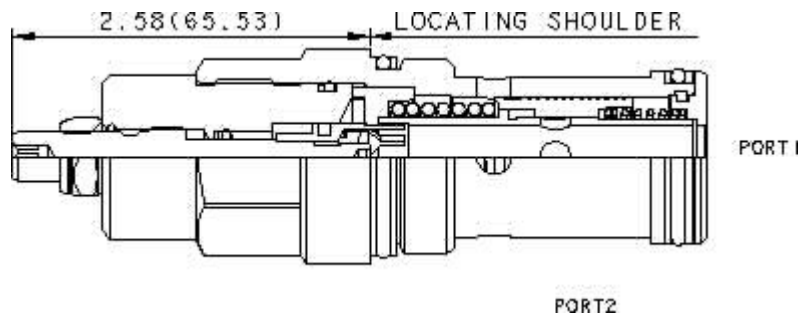
Model:  
FDEA-LAN

### Product Description

Fully adjustable, pressure-compensated flow controls with reverse-flow check provide precise flow regulation for meter-in or meter-out applications where there may be wide pressure fluctuations. They are infinitely adjustable from nearly closed up to the maximum flow. An integral high-capacity check valve provides unrestricted flow from port 2 to port 1.



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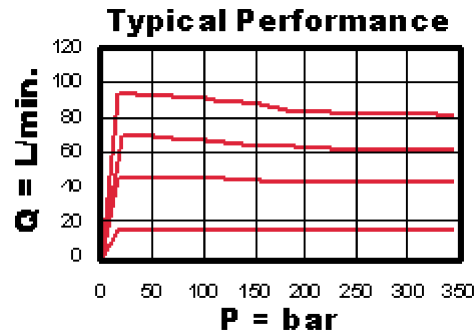
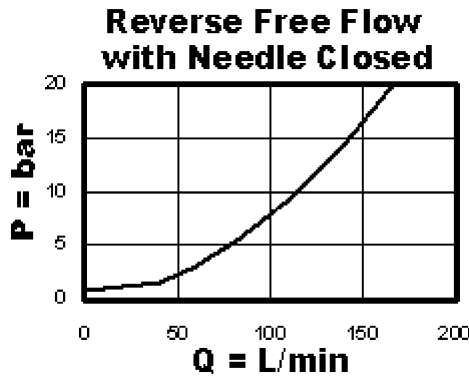
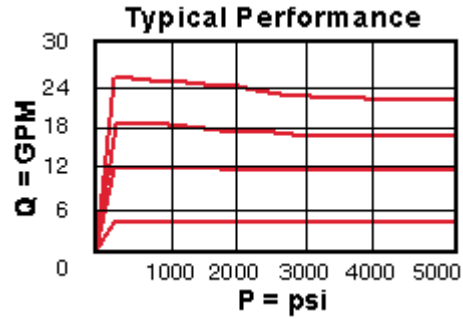
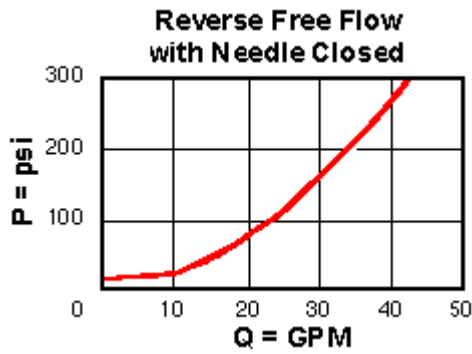


### Technical Features

- 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.
- Accurate pressure compensated control requires that a 200 psi (14 bar) minimum pressure differential be maintained across the valve.
- A balanced adjustment mechanism allows for easy adjustment even at high pressures.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.

### Technical Data

	U.S. Units	Metric Units
Cavity		T-16A
Capacity	25 gpm	95 L/min.
Adjustment - Number of Counterclockwise Turns - Fully Closed to Fully Open		5
Maximum Operating Pressure	5000 psi	350 bar
Series (from Cavity)		Series 3
U.S. Patent #		4,630,640
Valve Hex Size	1 1/4 in.	31,8 mm
Valve Installation Torque	150 - 160 lbf ft	200 - 215 Nm
Adjustment Screw Hex Socket Size	5/32 in.	4 mm
Adjustment Nut Hex Size	9/16 in.	15 mm
Adjustment Nut Torque	108 lbf in.	12 Nm
Model Weight	1.25 lb	0,60 kg



### FDEA-LAN

Control

Adjustment Range

External Material/Seal Material

L Standard Screw Adjustment	+0.00	A .2 - 25 gpm (1 - 95 L/min.)	+0.00	N Buna-N +0.00
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Stainless material/seal options not available for this model

Customer specified setting stamped on hex \$1.10

- Explanation of Sun cartridge control options - US units.
- Explanation of Sun cartridge control options - metric units.