

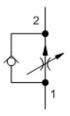
MODEL FDEA

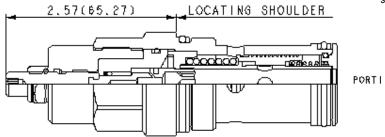
Fully adjustable pressure compensated flow control valve with reverse flow check

SERIES 3 / CAPACITY: 25 gpm / CAVITY: T-16A









#### CONFIGURATION

L Control		Standard Screw Adjustment			
Α	Adjustment Range	.2 - 25 gpm (0,8 - 95 L/min.)			
N	Seal Material	Buna-N			
(non	e) Material/Coating	Standard Material/Coating			

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.

### **TECHNICAL DATA**

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

PORTZ

Cavity	T-16A		
Series	3		
Capacity	25 gpm		
Maximum Operating Pressure	5000 psi		
Adjustment - No. of CCW Turns from Fully Closed to Fully Open	5		
Valve Hex Size	1 1/4 in.		
Valve Installation Torque	150 - 160 lbf ft		
Adjustment Screw Internal Hex Size	5/32 in.		
Locknut Hex Size	9/16 in.		
Locknut Torque	80 - 90 lbf in.		
Seal kit - Cartridge	Buna: 990016007		
Seal kit - Cartridge	EPDM: 990016014		
Seal kit - Cartridge	Polyurethane: 990016002		
Seal kit - Cartridge	Viton: 990016006		
Model Weight	1.30 lb.		

### **CONFIGURATION OPTIONS**

# Model Code Example: FDEALAN

CONTROL	(L)	ADJUSTMENT RANGE	(A)	SEAL MATERIAL	(N)	MATERIAL/COATING	_
L Standard Screw Adjustment		<b>A</b> .2 - 25 gpm (0,8 - 95 L/min.)		N Buna-N		Standard Material/Coating	
H Calibrated Handknob with Detent Lo	ck	<b>B</b> .2 - 16 gpm (0,8 - 60 L/min.)		<b>E</b> EPDM		/LH Mild Steel, Zinc-Nickel	_

V Viton

**K** Handknob

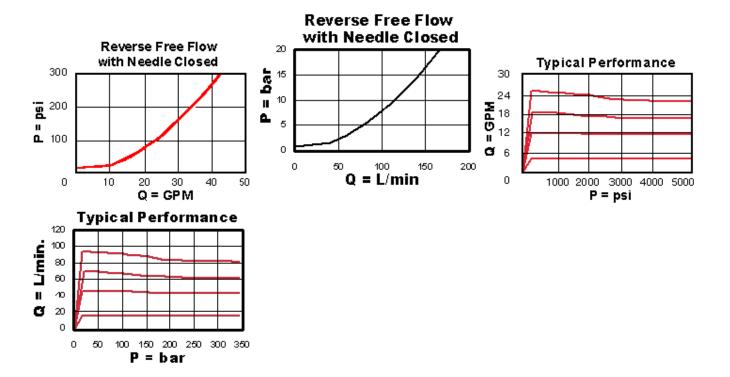
Y Tri-Grip Handknob

## **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.
- A balanced adjustment mechanism allows for easy adjustment even at high pressures.
- The sharp-edged orifice design minimizes flow variations due to viscosity changes.
- Minimum leakage is .2 gpm (0,8 L/min) when the adjustment mechanism is turned to the shut-off position.
- 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.

# PERFORMANCE CURVES

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