

**CONFIGURATION**

<b>L</b>	Control	Standard Screw Adjustment
<b>A</b>	Adjustment Range	.2 - 25 gpm (0,8 - 95 L/min.)
<b>N</b>	Seal Material	Buna-N
<b>(none)</b>	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.

Cavity	T-16A
Series	3
Capacity	95 L/min.
Maximum Operating Pressure	350 bar
Adjustment - No. of CCW Turns from Fully Closed to Fully Open	5
Valve Hex Size	31,8 mm
Valve Installation Torque	203 - 217 Nm
Adjustment Screw Internal Hex Size	4 mm
Locknut Hex Size	15 mm
Locknut Torque	9 - 10 Nm
Seal kit - Cartridge	Buna: 990016007
Seal kit - Cartridge	EPDM: 990016014
Seal kit - Cartridge	Polyurethane: 990016002
Seal kit - Cartridge	Viton: 990016006
Model Weight	0.59 kg.

**CONFIGURATION OPTIONS**

**Model Code Example: FDEALAN**

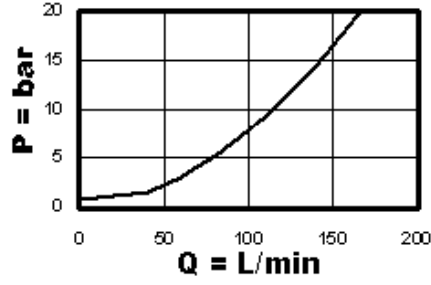
<b>CONTROL</b>	<b>(L) ADJUSTMENT RANGE</b>	<b>(A) SEAL MATERIAL</b>	<b>(N) MATERIAL/COATING</b>
<b>L</b> Standard Screw Adjustment	<b>A</b> .2 - 25 gpm (0,8 - 95 L/min.)	<b>N</b> Buna-N	Standard Material/Coating
<b>H</b> Calibrated Handknob with Detent Lock	<b>B</b> .2 - 16 gpm (0,8 - 60 L/min.)	<b>E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

**TECHNICAL FEATURES**

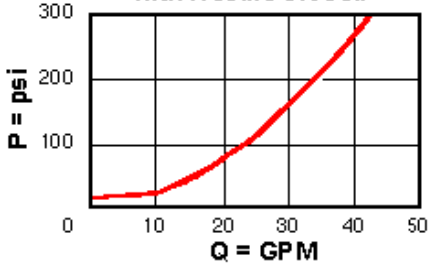
- All 2-port flow control cartridges are physically and functionally interchangeable (i.e. same flow path, same cavity for a given frame size). However, cartridge extension dimensions from the mounting surface may vary.
- A balanced adjustment mechanism allows for easy adjustment even at high pressures.
- 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**

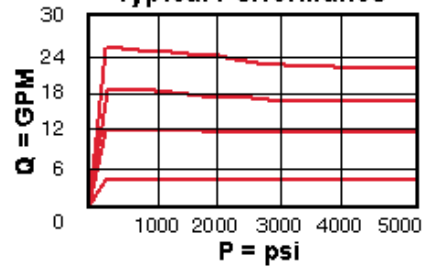
### Reverse Free Flow with Needle Closed



### Reverse Free Flow with Needle Closed



### Typical Performance



### Typical Performance

