**Pilot Valves** 

# Pressure Sustaining Pilot Valve Model FP#3UL

This pilot valve integrates all the principal functions of a two-way control circuit into a single assembly. It is a direct acting valve, actuated by a pressure responsive diaphragm, which tends to reach equilibrium with the set spring force. When used in a pressure relief/sustaining circuit, the pilot modulates to open as upstream pressure rises above set point.

An integral needle valve acts as an upstream flow restrictor as well as a closing speed control.



(for Illustration Only)

#### **Features**

- Integral needle valve
- Internal or external pressure sensing
- Differential pressure sensing (Option)

### **Typical Applications**

- Pressure relief valve (Standard model #3)
- Differential Pressure sustaining valve (differential sensing #3D)
- Pump suction control valve (external sensing #3R)

#### **Approvals**

 UL-Listed and FM Approved when installed on BERMAD specific valve models

#### **Technical Data**

- Pressure Rating: 30 bar (430 psi)
- Working Temperature: Water up to 80°C (180°F)
- Flow Factor: Kv 1.1 (Cv 1.3)

#### **Standard Materials**

- Body & cover: Brass
- Elastomers: NBR (Buna N)
- Internals: Stainless Steel & Brass
- Spring: Galvanized Steel

## Adjustment Range

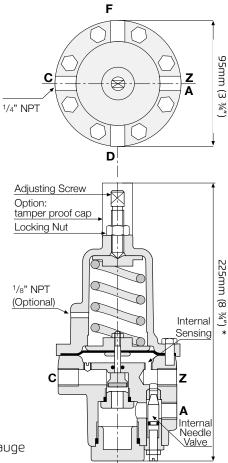
	Spring	Pressure		Application
		bar	psi	Application
	16	1-16	15-230	Class #150/PN16
	10	0.8-10	11-150	43T-06/730R/436/736
	30	2-25	30-365	Class #300/PN25

#### **Optional Materials**

- All Stainless Steel 316
- Nickel Aluminum Bronze
- Super Duplex 25Cr

#### **Connections**

- **Z**-Upstream
- A-Valve control chamber
- **C**-Downstream
- **F/D-**External sensing/pressure gauge



Weight: 2.7 Kg / 6 lbs.

\* For spring "30" high pressure type add 15 mm (5/8") to pilot height.

