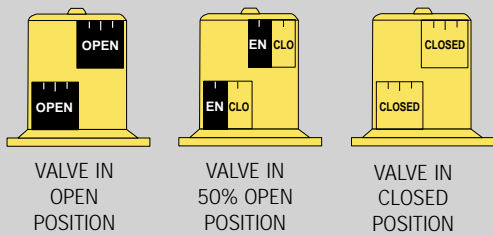


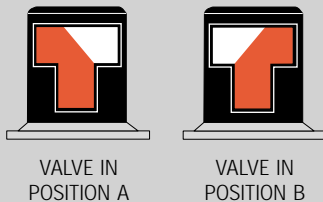


Impact and Corrosion Resistant Visual Position Monitors

POSITION MONITORS



3-WAY FLOW PATH MONITOR



Beacon™ Visual Position Monitor

For Actuated Valves, Gear Operators, Dampers and Three-way Control Assemblies

The high visibility Beacon™ position monitor is designed to increase safety and efficiency in the industrial process plant. Start-up engineers and operating personnel may now determine at a glance the exact position of automated and gear operated valves. Operating problems, caused by actuators having no means of position identification or conventional low-profile indicators seen only when operating engineers are virtually on top of the valve, are easily remedied with the Beacon™.

Beacon Principle of Operation

The Beacon is a totally enclosed monitoring instrument devoid of any external moving parts. When the control valve is in a closed position, operating personnel view a highly visible yellow cylinder. As the valve opens and becomes fully operational, the yellow cylinder is transformed into a sharp-edged yellow and black checker pattern designed for maximum visual impact and easily recognizable at distances of 150 feet.

Features

- Manufactured from high impact strength, corrosion resistant, clear Ektar® copolyester.
- Increases safety for plant personnel.
- Offers instant visual recognition of valve position from all vantage points up to 150 feet.
- 360° color coding for maximum visual impact.
- Totally enclosed instrument devoid of any external moving parts.



PHYSICAL PROPERTIES

Tensile Strength @ Break psi	6,400
Izod Impact Strength, notched @ 73°F, ft-lb/in	>16
UV Resistance	Yes
Clarity	Yes
Heat Deflection Temperature-HDT@ 264 psi, °F	151
UL Flammability Rating	94HB

CHEMICAL RESISTANCE @ 23° C

REAGENT	OBSERVATION
10% Sodium Hydroxide	No visible effect
Chlorox Bleach, 5% Solution	No visible effect
Salt Water	No visible effect
20% Sulfuric Acid	No visible effect
Gasoline, Regular	No visible effect
Hydraulic Fluid	No visible effect
50/50 Water/Ethanol	No visible effect
Ethanol	No visible effect
Methanol	No visible effect
Benzyl Alcohol	No visible effect

Beacon™ Flow Path Monitor



Multiport Flow Path Monitor

The Multiport Flow Path Monitor is a unique and invaluable accessory for any three-way control assembly. Whether gear-operated or automatically controlled, valve flow path and position are immediately recognizable and accurately monitored. Guesswork is eliminated and process system information is safely, economically, and reliably supplied to operating and start-up personnel.


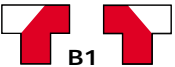

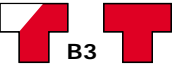

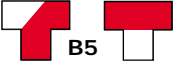




Principle of Operation

The Beacon Flow Path Monitor mounts directly to the valve operator. It is dimensionally equal to the Beacon, having the same operating temperature limits. The outer cylinder is comprised of a graphic flanged tee arrangement, offering a clear view of the inner cylinder. The inner cylinder designates the flow path by a highly visible red pattern. This pattern will appear to viewing personnel through the clear outer tee.

Features

- Provides a concrete measure of valve performance.
- Monitors valve position while visually displaying flow path.
- Eliminates guesswork and reduces costs at system start-up.
- Offers positive mechanical monitoring of multiport control valves.

ORDERING GUIDE

BEACON™	3-WAY BEACON™
STANDARD (Black & Yellow) BY 	90° Rotation  B1
ANSI YELLOW (Inherently Hazardous) AY 	90° Rotation  B3
ANSI GREEN (Liquid-Low Hazard) AG 	90° Rotation  B5
ANSI BLUE (Gas-Low Hazard) AB 	180° Rotation  B7
ANSI RED (Fire Quenching) AR 	180° Rotation  B9

Note: When ordering, please specify actuator make and model number.

DIMENSIONS (mm/inches)

