

# PFX-420R *Electro-Pneumatic Positioner Rotary Type*

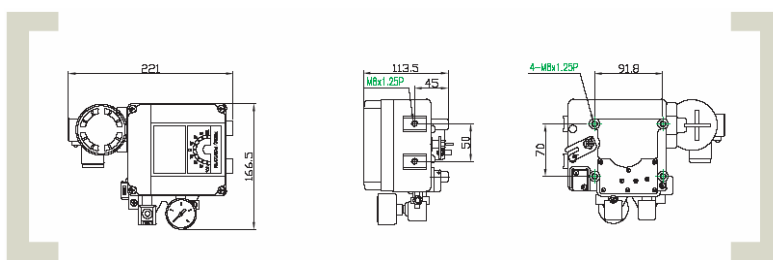
The Electro-Pneumatic Positioner PFX-420R is used for operation of pneumatic rotary valve actuators by means of electrical controller or control systems with an analog output signal of DC 4 to 20mA or split ranges.

- There is no resonance at 5~200Hz.
- The change of RA/DA Acting is convenient, it is able to apply to single or double acting actuator.
- It is possible to prevent the hunting with orifice to the small size actuator.
- It is economical due to less air consumption.
- It is able to control the 1/2 split range with simple operation without replacement of parts



### Specifications

Item.Type	Single	Double
Input Signal	4-20mA DC	
Impedance	250±15 Ohm	
Supply Pressure	1.4~7kgf/cm <sup>2</sup> (20~100psi)	
Stroke	0~90°, 0~60°	
Air Connection	PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)	
Explosion Proof	Ex dm IIB T6	
	Ex dm IIC T6	
	Ex ia IIB T6	
Protection	IP66	
Ambient Temp	-20°C~70°C(Standard)	
Linearity	±1% F.S.	±2% F.S.
Hysteresis	±1% F.S.	
Sensitivity	±0.2% F.S.	±0.5% F.S.
Repeatability	±0.5% F.S.	
Air Consumption	3LPM(Sup=1.4kgf/cm <sup>2</sup> ,20psi)	
Flow Capacity	80LPM(Sup=1.4kgf/cm <sup>2</sup> ,20psi)	
Material	Aluminum Diecasting	
Weight	2.8kg(6.2lb)	



Standard Ordering: PFX-420R - **D** **n** **2** **3** **2** **S** **0** **0**

Model	Acting Type	Explosion Proof	Lever Type	Orifice Type	Connection Type	Ambient Temp	Option1	Option2
PFX-420R -	<b>S</b> Single Acting	<b>m</b> ExdmIIBT6	<b>1</b> M6×40L	<b>1</b> Below 90 cm <sup>2</sup>	<b>1</b> PT	<b>S</b> -20°C~70°C	<b>0</b> NONE(Std)	<b>0</b> NONE
	<b>D</b> Double Acting	<b>e</b> ExdmIICT6	<b>2</b> M6×63L	<b>2</b> 90~180 cm <sup>2</sup>	<b>2</b> NPT	<b>H</b> -20°C~120°C	<b>1</b> Dome Cover	<b>1</b> +PTM(Internal)
		<b>i</b> ExialIBT6	<b>3</b> M8×40L	<b>3</b> Over 180 cm <sup>2</sup>		<b>L</b> -40°C~70°C		<b>2</b> +PTM(External)
		<b>a</b> Non-Explosion	<b>4</b> M8×63L					<b>3</b> +L/S(Internal)
			<b>5</b> NAMUR					<b>4</b> +L/S(External)
								<b>5</b> +PTM+L/S(Internal)