

# Electro-Pneumatic Positioner E420R (Rotary) & E420L (Linear)

**Elite**  
Valve Canada



**E420R**

**E420L**



The Electro-Pneumatic Positioner E420R is used for operation of Pneumatic Rotary Valve Actuators and the The Electro-Pneumatic Positioner E420L is used for operation of Pneumatic Linear Valve Actuators by means of electrical controller or control system with an analog output signal of DC 4 to 20 mA or split Ranges.

- There is no resonance at 5~200Hz.
- The change of RA/DA Action 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.

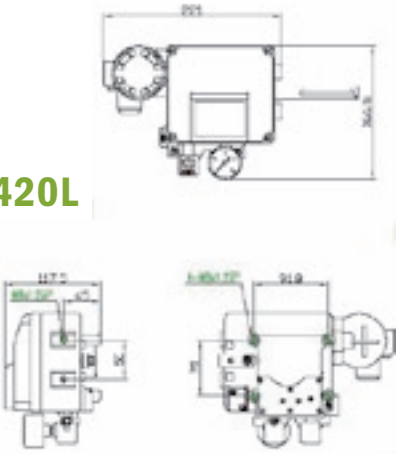
# Electro-Pneumatic Positioner - E420L & E420R

## Options

Acting Type		Explosion Proof		E420L Lever Type		E420R Lever Type		Orifice Type		Connection Type		Ambient Temp		E420R Option 1		E420R Option 2				
S	Single	m	ExdmIIBT6	1	Below 40mm	1	M6×40L	1	Below 90 cm <sup>2</sup>	1	PT	S	-20°~70°	0	NONE(St'd)	0	NONE			
D	Double	c	ExdmIICT6	2	40~70mm	2	M6×63L	2	90~180 cm <sup>2</sup>	2	NPT	H	-20°~120°	1	Dome Cover	1	+PTM(Internal)			
		i	ExialIIBT6	3	70~100mm	3	M8×40L	3	Over 180 cm <sup>2</sup>			L	-40°~70°			2	+PTM(External)			
		n	Non-Explosion		4	100~130mm	4	M8×63L											3	+L/S(Internal)
																			4	+L/S(External)
				5	130~150mm	5	NAMUR											5	+PTM+L/S(Internal)	



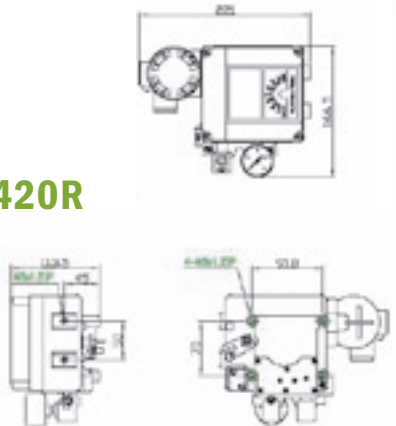
## E420L



## Specifications

Item	E420L		E420R	
	Single	Double	Single	Double
Type	Single	Double	Single	Double
Input Signal	4-20mA DC		4-20mA DC	
Impedance	250±15 Ohm		250±15 Ohm	
Supply Pressure	1.4~7kgf/cm <sup>2</sup> (20~100psi)		1.4~7kgf/cm <sup>2</sup> (20~100psi)	
Stroke	10~150mm		0~90° 0~60°	
Air Connection	PT (NPT) 1/4		PT (NPT) 1/4	
Gauge Connection	PT (NPT) 1/8		PT (NPT) 1/8	
Conduit	PF 1/2 (G1/2)		PF 1/2 (G1/2)	
Explosion Proof	Ex dm IIB T6 Ex dm IIC T6 Ex ia IIB T6		Ex dm IIB T6 Ex dm IIC T6 Ex ia IIB T6	
Protection	IP66		IP66	
Ambient Temp	-20° C~70° C(Standard)		-20° C~70° C(Standard)	
Linearity	±1% F.S.	±2% F.S.	±1% F.S.	±2% F.S.
Hysteresis	±1% F.S.		±1% F.S.	
Sensitivity	±0.2% F.S.	±0.5% F.S.	±0.2% F.S.	±0.5% F.S.
Repeatability	±0.5% F.S.		±0.5% F.S.	
Air Consumption	3LPM (Sup=1.4kgf/cm <sup>2</sup> , 20psi)		3LPM (Sup=1.4kgf/cm <sup>2</sup> , 20psi)	
Flow Capacity	80LPM(Sup=1.4kgf/cm <sup>2</sup> , 20psi)		80LPM(Sup=1.4kgf/cm <sup>2</sup> , 20psi)	
Material	Aluminum Diecasting		Aluminum Diecasting	
Weight	2.7kg(6.1lb)		2.8kg(6.2lb)	

## E420R



**Elite**  
Valve Canada

Elite Valve Canada  
Ontario, Canada  
Ph: 519-332-8809  
Fax: 519-337-7933  
www.elitevalve.com