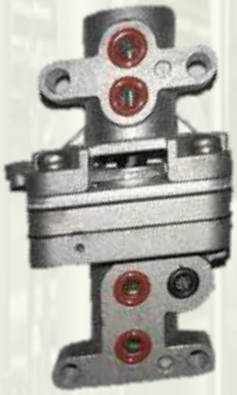
Electro Pneumatic Positioner

VSR-1000 Series







VSR Global

Electro-Pneumatic Positioner
VSR-1000L (Linear Type)

Description

The Electro Pneumatic Positioner VSR-1000L is used for operation of pneumatic linear waits actuators by means of electrical controlleror control system with an analogue signal of DC 4 to 20mA.



Features

- Fast response time, durability, and excellent stability
- IP 66 enclosure
- Simple zero and span adjustment
- Strong anti vibration performance
- By-pass valve (A/M switch) installed
- Air connection part is designed for detachability and it can be changed PT/NPT tapping threads in the field easily

Specifications

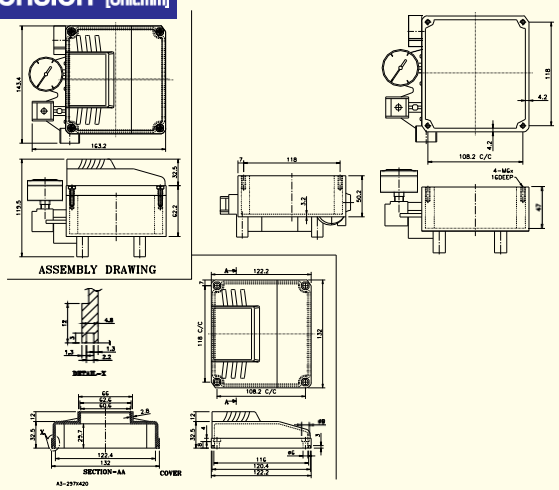
Model		VSR 1000 (Single)	VSR 1000 (Double)
Input signal		4~20mA DC	
Impedance		250 ±15Ω	
Supply pressure		0.14~0.7MPa	
Stroke		10~100mm	
Air connection		PT1/4, NPT1/4	
Gauge connnection		PT1/8, NPT1/8	
Conduit		G(PF)1/2, NPT1/2	
Explosion proof type		Non-explosion proof Ex dmb IIB T5/T6, Ex dmb IIC T5/T6 Ex ia IIC T6	
Enclosure		IP66	
Ambient Temp.	Operating Temp.	-20℃~70℃ (Standard type) -40℃~70℃(Option) -20℃~120℃(Option)	
	Explosion proof	-40℃~60℃(T5) / -40℃~40℃(T6)	
Linearity		±1.0% F.S.	±2.0% F.S.
Sensitivity		±0.2% F.S.	±0.5% F.S.
Hysteresis		±1.0% F.S.	
Repeatability		±0.5% F.S.	
Air consumption		Below 2.5LPM (Sup=0.14MPa)	
Flow capacity		Over 80LPM (Sup=0.14MPa)	
Material		Aluminum die cast	
Weight		2.8kg	

Product Number

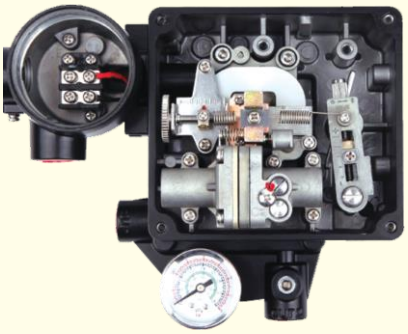
Model	VSR 1000					
			L			
Acting type	Linear type		L			
Explosion proof type	Non-explosion proof			N		
	Ex dmb IIB T5/T6			P		
	Ex dmb IIC T5/T6			Y		
	Ex ia IIC T5/T6			Z		
Connection	Conduit entry	Air connection				
	G1/2	PT1/4			1	
	G1/2	NPT1/4			2	
	NPT1/2	NPT1/4			3	
Lever type	10 ~ 40mm				1	
	40 ~ 70mm				2	
	70 ~ 100mm				3	
	100~ 150mm				4	
Ambient Temp.	-20℃~70℃					S
	-20℃~120℃*					H
	-40℃~70℃					L
Option	None ℃Standard type℃					0
	4~20mA Position transmitter (Positioner is RA type) *					1
	4~20mA Position transmitter (Positioner is DA Type) *					2

* Must be Non-explosion proof type

Dimension [Unit:mm]



Internal structure



VSR Global

Electro-Pneumatic Positioner
VSR-1000R (Rotary Type)

Description

The Electro Pneumatic Positioner VSR-1000R is used for operation of pneumatic linear waits actuators by means of electrical controller or control system with an analogue signal of DC 4 to 20mA.

Features



- Fast response time, durability, and excellent stability
- IP 66 enclosure
- Simple zero and span adjustment
- Strong anti vibration performance
- By-pass valve (A/M switch) installed
- Air connection part is designed for detachability and it can be changed PT/NPT tapping threads in the field easily

Specifications

Model		VSR 1000 (Single)	VSR 1000 (Double)
Input signal		4~20mA DC	
Impedance		250±15Ω	
Supply pressure		1.4~7.0kgf/cm2 (20~100 psi)	
Stroke		10~150mm	
Air connection		PT(NPT) 1/4	
Gauge connnection		PT(NPT) 1/8	
Conduit Entry		PF 1/2 or G 1/2	
Explosion proof type		Non-explosion proof Ex dmb IIB T5/T6, Ex dmb IIC T5/T6 Ex ia IIC T6	
Enclosure		IP66	
Ambient Temp.	Operating Temp.	-20℃~70℃ (Standard type) -40℃~70℃(Option) -20℃~120℃(Option)	
	Explosion proof	-40℃~60℃(T5) / -40℃~40℃(T6)	
Linearity		±1.0% F.S.	±2.0% F.S.
Sensitivity		±0.2% F.S.	±0.5% F.S.
Hysteresis		±1.0% F.S.	
Repeatability		±0.5% F.S.	
Air consumption		Below 2.5LPM (Sup=0.14MPa)	
Flow capacity		Over 80LPM (Sup=0.14MPa)	
Material		Aluminum die cast	
Weight		2.8kg	

Product Number

Model	VSR 1000		R
Acting type	Rotary Type		R
Explosion proof type	Non-explosion proof		N
	Ex dmb IIB T5/T6		P
	Ex dmb IIC T5/T6		Y
	Ex ia IIC T5/T6		Z
Connection	Conduit entry	Air connection	
	G1/2	PT1/4	1
	G1/2	NPT1/4	2
	NPT1/2	NPT1/4	3
Lever type	M6 x 34L		1
	NAMUR		5
Ambient Temp.	-20℃~70℃		S
	-20℃~120℃*		H
	-40℃~70℃		L
Option	None Standard type		0
	Position transmitter(4~20mA) *		1
	With Limit switch *		2
	With Limit switch (Explosion proof type)		3
	With Position transmitter and Limit switch *		4
	With Position transmitter and Limit switch (Explosion proof type)		5
	With external Limit switch mounting device		6

* Must be Non-explosion proof type

Internal structure



VSR Global