

Electro-Pneumatic Pressure Regulator

Stepless control of air pressure proportional to an electrical signal

Model with 200L/min (ANR) newly introduced to the series.

ITV1000
200L/min(ANR)*

New

- Parts in contact with fluids are oil free.
- Residual pressure is Zero with no electrical signal.



ITV2000
1500L/min(ANR)*



ITV3000
4000L/min(ANR)*



Sensitivity **0.2 kPa**
(100kPa specification)

Linearity **Within ±1% (F.S.)**

Hysteresis **Within ±0.5% (F.S.)**



IP65

Equivalent to IP65

CE (Series ITV2000/3000)

*Pressure range 0.9MPa Supply pressure 1.0MPa

ITV0000
7L/min(ANR)*








Controller for electro-pneumatic pressure regulator **Series IC**

Digital signal is converted to analog signal.

New



Series ITV

	Series	Model	Set pressure range	Sensitivity	Accuracy
Electro-pneumatic pressure regulator	Series ITV0000 	ITV001*	0.001 to 0.1MPa	0.2kPa	Linearity Within $\pm 1\%$ (F.S.) Hysteresis Within $\pm 0.5\%$ (F.S.)
		ITV003*	0.001 to 0.5MPa	1.0kPa	
		ITV005*	0.001 to 0.9MPa	1.8kPa	
		ITV009*	-1 to -100kPa	0.2kPa	
	Series ITV1000  Coming out in July, 2002 New	ITV101*	0.005 to 0.1MPa	0.2kPa	
		ITV103*	0.005 to 0.5MPa	1.0kPa	
		ITV105*	0.005 to 0.9MPa	1.8kPa	
	Series ITV2000 	ITV201*	0.005 to 0.1MPa	0.2kPa	
		ITV203*	0.005 to 0.5MPa	1.0kPa	
		ITV205*	0.005 to 0.9MPa	1.8kPa	
		ITV209*	-1.3 to -80kPa	0.16kPa	
	Series ITV3000 	ITV301*	0.005 to 0.1MPa	0.2kPa	
		ITV303*	0.005 to 0.5MPa	1.0kPa	
ITV305*		0.005 to 0.9MPa	1.8kPa		
Controller	Series IC  Coming out in July, 2002 New	Model	Pressure range	Input	Output
		IC1*	0.1MPa	10 bit parallel input 4 points inputs	0 to 10VDC 4 to 20mADC
		IC3*	0.5MPa		
		IC5*	0.9MPa		
		IC9*	-0.1MPa		

Made to Order

With guard function for supply pressure/ITV1000, 2000, 3000

- Detects drop of supply pressure
Idle operation of solenoid valve is stopped and pressure at secondary side is exhausted.
- Detection pressure $100 \pm 80\text{kPa}$ /ITV1000, 2000, 3000



Note) Only 4 to 20mA input signal option available at this time. No monitor voltage output available.