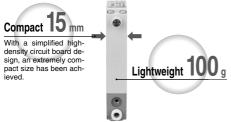
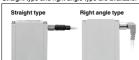
# Compact Electro-Pneumatic Regulator Series IT V0000 Compact Vacuum Regulator Series IT V009



■ Cable connectors

Straight type and right angle type are available.



Built-in One-touch fittings

■ With error indication LED

■ Brackets

Flat and L-brackets are available.



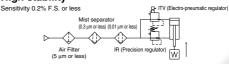
### Realizes spacesaving and reduction of weight for manifold use.

Stations can easily be increased or decreased due to DIN rail mount design.

Model	Pressure range	Power supply voltage	Input signal	Output signal	Option	
ITV001□	0.1 MPa	24 VDC 12 VDC	4 to 20 mA DC 0 to 20 mA DC 0 to 5 VDC 0 to 10 VDC		Cable connector	
ITV003□	0.5 MPa				Straight type Right angle type	
ITV005□	0.9 MPa				Brackets     Flat bracket	
ITV009□	-100 kPa				L-bracket	

.

- Equivalent to IP65
- Linearity: ±1% F.S. or less
  Hysteresis: 0.5% F.S. or less
  Repeatability: ±0.5% F.S. or less
- High-speed response time: 0.1 sec (Without load) Note) This is not a guaranteed value as it depends on the operating environment.
- High stability



# Electro-Pneumatic Regulator Series ITV1000/2000/3000 Electronic Vacuum Regulator Series ITV209



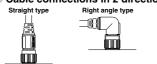
Sensitivity: 0.2% F.S. or less

Linearity: ±1% F.S. or less

Hysteresis: 0.5% F.S. or less

IP65

Cable connections in 2 directions



■ Grease-free specification (Series ITV1000)



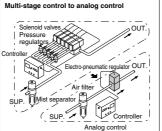
## Serial communications specifications to Series ITV1000/2000/3000 are standardized.

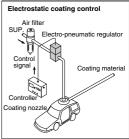
Reduced wiring

Applicable Fieldbus protocols

RS-232C specification to serial communications is standardized.

### Application examples





# **Electro-Pneumatic Regulator Electronic Vacuum Regulator**

• Stepless control of air pressure proportional to an electrical signal.

Series ITV

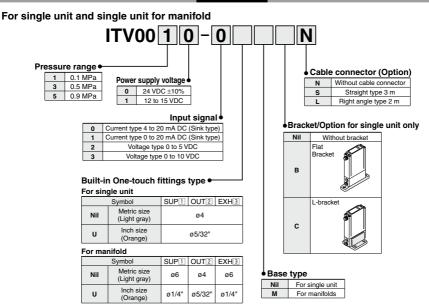
	Series		Model	Set pressure range	Input signal	Port size	Page	ARJ
Electro-Pneumatic Regulator	Series ITV0000	ITV001□	0.001 to 0.1 MPa	0 to 20 mA DC One-t (Sink type) Metr	Built-in One-touch fittings Metric size: ø4	806	AR425 to 935	
		ITV003□	0.001 to 0.5 MPa				ARX	
	0	ļ			Inch size: ø5/32		ARM	
		ITV005□	0.001 to 0.9 MPa				ARP	
	Series ITV1000	ITV101□	0.005 to 0.1 MPa	Current type: 4 to 20 mA DC (Sink type)	1/8, 1/4	814	IR	
		ITV103□	0.005 to 0.5 MPa				IRV	
	o miles	ITV105□	0.005 to 0.9 MPa				VEX SRH	
	Series ITV2000	ITV201□	0.005 to 0.1 MPa	Current type: 0 to 20 mA DC (Sink type) Voltage type: 0 to 5 VDC Voltage type: 0 to 10 VDC Preset input (4 points/16 points) 10 bit digital input CC-Link compatible PROFIBUS DP compatible RS-232C communication	1/4, 3/8		SRP	
	To start to	ITV203□	0.005 to 0.5 MPa			814	SRF	
		11 V2U3	0.005 to 0.5 MPa			014	ITV	
	انتا لننا	ITV205□	0.005 to 0.9 MPa				IC	
	Series ITV3000	ITV301□	0.005 to 0.1 MPa		1/4, 3/8, 1/2	\	ITVX	
		ITV303□	0.005 to 0.5 MPa			814	PVQ VEF VEP	
		ITV305□	0.005 to 0.9 MPa				VER	
								VEA
۲	Series ITV009□	ITV009□	–1 to –100 kPa	Current type: 4 to 20 mA DC (Sink type) Current type: 0 to 20 mA DC (Sink type) Voltage type: 0 to 5 VDC Voltage type: 0 to 10 VDC	Built-in One-touch fittings Metric size: ø4 Inch size: ø5/32	\	VY1	
ulato							836	VBA VBAT
Electronic Vacuum Regulator	E						AP100	
	Series ITV209	ITV209□	−1.3 to −80 kPa	Current type: 4 to 20 mA DC (Sink type) Current type: 0 to 20 mA DC (Sink type) Voltage type: 0 to 5 VDC Voltage type: 0 to 10 VDC Preset input (4 points/16 points) 10 bit digital input CC-Link compatible DeviceNet <sup>m</sup> compatible RS-232C communication	1/4	843		
	GOVO						805	(D)

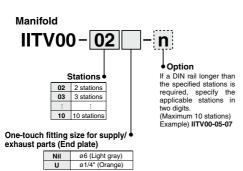
## **Compact Electro-Pneumatic Regulator**

# Series ITV0000



### **How to Order**





Note) A DIN rail with the length specified by the number of stations is attached to the manifold. For dimensions of the DIN rail, refer to the external dimensions.

### How to Order Manifold Assembly (Example)

Indicate the part numbers of electro-pneumatic regulators to be mounted below the manifold part number.

Example)

Due to the common supply/exhaust feature, note that different pressure range combinations are not available.

IITV00-03-----1 set (Manifold part no.)

\*ITV0030-3MS.....2 sets (Electro-pneumatic regulator part no. (1, 2 stations))
\*ITV0030-3ML.....1 set (Electro-pneumatic regulator part no. (3 stations))

Indicate part numbers in order starting from the first station on - the D side.

 Note)Combination with having different pressure ranges is not available due to common supply/exhaust features.

The asterisk (\*) specifies mounting. Add an asterisk (\*) at the beginning of electro-pneumatic regulator part numbers to be mounted.

