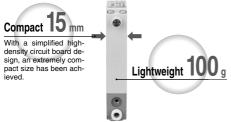
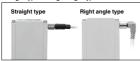
Compact Electro-Pneumatic Regulator Series ITV0000 Compact Vacuum Regulator Series ITV009





Straight type and right angle type are available



- Built-in One-touch fittings
- With error indication LED
- Brackets

Flat and L-brackets are available.



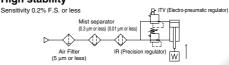
Realizes spacesaving and reduction of weight for manifold use.

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 connectors Straight type Right angle type	
ITV003□	0.5 MPa					
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



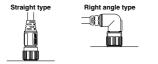
Sensitivity: 0.2% F.S. or less

Linearity: ±1% F.S. or less

Hysteresis: 0.5% F.S. or less

IP65

Cable connections in 2 directions



Grease-free specification (Series ITV1000)



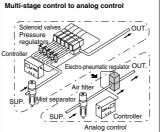
Serial communications specifications to Series ITV1000/2000/3000 are standardized.

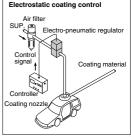
Reduced wiring

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
	Series ITV0000	ITV001□	0.001 to 0.1 MPa	0 to 20 mA DC One-touc (Sink type) Metric s	Built-in One-touch fittings Metric size: ø4	806	AR425 to 935
	100	ITV003□	0.001 to 0.5 MPa				ARX
	90	ITV005□	0.001 to 0.9 MPa		Inch size: ø5/32		ARM
		111003	0 to 10 VDC	0 to 10 VDC	ļ		ARP
: Regulator	Series ITV1000	ITV101□	0.005 to 0.1 MPa	Current type: 4 to 20 mA DC (Sink type) Current type: 0 to 20 mA DC	1/8, 1/4	814	IR
		ITV103□	0.005 to 0.5 MPa				IRV
	20 march 2	ITV105□	0.005 to 0.9 MPa				VEX
mati		111103	0.003 to 0.3 IVII a				SRH
Electro-Pne	Series ITV2000	ITV201□	0.005 to 0.1 MPa	(Sink type) Voltage type: 0 to 5 VDC Voltage type: 0 to 10 VDC Preset input (4 points/16 points) 10 bit digital input	\	SRP	
		ITV203□	0.005 to 0.5 MPa		1/4, 3/8	814	VCHR
		ITV205□	0.005 to 0.9 MPa				ITV
	Series ITV3000	ITV301□	0.005 to 0.1 MPa	CC-Link compatible DeviceNet™ compatible PROFIBUS DP compatible RS-232C communication 1/4, 3/8, 1/2	<u> </u>	ITVX	
		ITV000	0.005 to 0.5 MP-		1/4, 3/8, 1/2	814	PVQ
	The same of the sa	ITV303□	0.005 to 0.5 MPa				VEF VEP
		ITV305□	0.005 to 0.9 MPa				VER
	Series ITV009□			Current type:			VEA
ţō	Concesti voos			4 to 20 mA DC (Sink type) Current type:	Built-in One-touch fittings	\	VY1 VBA
egula		ITV009□	-1 to -100 kPa	0 to 20 mA DC (Sink type) Voltage type: 0 to 5 VDC Voltage type:	Metric size: ø4 Inch size: ø5/32	836	AP100
E	E	<u> </u>		0 to 10 VDC			AI 100
Electronic Vacuum Regulator	Series ITV209□	ITV209□	–1.3 to –80 kPa	Current type: 4 to 20 mÅ DC (Sink type) Current type: 0 to 20 mÅ 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™ compatible RPROFIBUS DP compatible RS-232C communication	1/4	843	
	805 0					(D)	

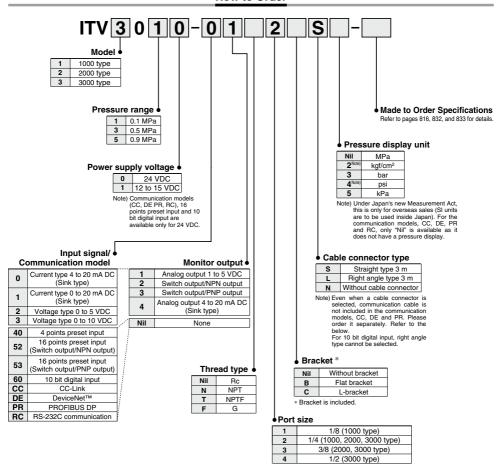
Electro-Pneumatic Regulator

Series ITV1000/2000/3000

C C CRUSUS ROHS



How to Order



For communication cables, use the parts listed below (refer to M8/M12 connector in Best Pneumatics No.1 for details)

or order the product certified for the respective protocol (with M12 connector) separately.

Application	Communication cable part number	Note	
CC-Link compatibility	PCA-1567720 (Socket type)	Dedicated Bus adapter supplied	
CC-Link compatibility	PCA-1567717 (Plug type)	with the product.	
DeviceNet™	PCA-1557633 (Socket type)		
compatibility	PCA-1557646 (Plug type)	T-branch connector not supplied.	
PROFIBUS DP	PCA-1557688 (Socket type)	T-branch connector not supplied.	
compatibility	PCA-1557691 (Plug type)	1-branch connector not supplied.	