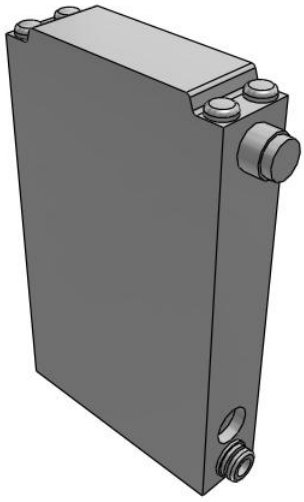


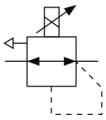
ITV00**, Compact Electro-Pneumatic Regulator

ITV0090-3N

Datasheet

General series information

- Pressure range: 0.005 to 0.9 MPa or -1 to -101 kPa
- Maximum flow rate: 6 l/min (ANR)
- Port sizes: built-in one-touch fittings (ø4 mm, ø5/32 inches)
- Error indication LED.



Electro-pneumatic regulator

Standard specifications

Input Signal	3 (Voltage Style 0~10 V DC)
Bracket	None
Pressure Range	9 (-1 to -100 kPa)
Built-in One-touch Fitting	Metric Size One-touch Fitting
Power Voltage	0 (DC24V)
Base Type	Single Unit [Standard Base Type]
Cable Connector	N (w/oCable Connector)
Maximum operating pressure	-1.0 kPa
Minimum operating pressure	-101 kPa
General power supply	24 V DC ±10 %, max. 0.12 A
Approvals	CE
Pneumatic input connection	Ø 4 mm
Pneumatic output connection	Ø 4 mm
Pneumatic exhaust connection	Ø 4 mm
Current consumption	0.12 A
Enclosure	IP65
Sensitivity	Within 0.2% (Full span)
Repeatability	Within ±0.5% (Full span)
Set pressure range	0.001 - 0.1 MPa

Specifications are subject to change without prior notice and any obligation on the part of the manufacturer.

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Linearity	Within ±1% (Full span)
Power supply voltage	24 VDC ±10%
Max. supply pressure	-101 kPa
Min. supply pressure	Set pressure -1 kPa
Temperature characteristics	Within ±0.12% (Full span)/°C
Connection	Built-in One-touch fittings
Hysteresis	Within 0.5% (Full span)
Input signal Voltage type	0 - 10 VDC
Input impedance Voltage type	10 kΩ
Output signal Analogue	1 to 5 VDC (Output impedance: Approximately 1 kΩ) Output accuracy within ±6% (Full span)
Weight	0.100 Kg

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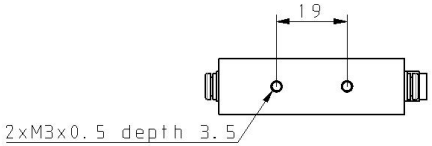
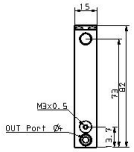
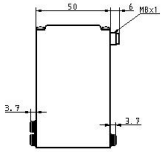
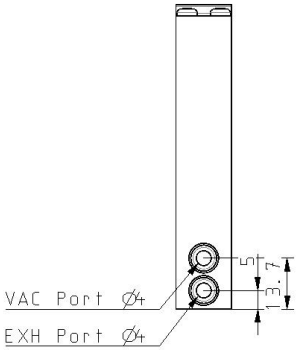
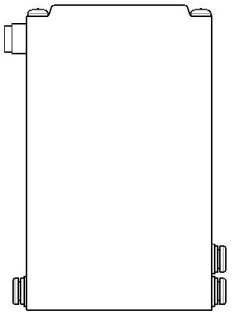
Dimensions











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Additional information

Catalogue	ITV-G_EU.pdf
Declaration of conformity	newDoC_ITV0000-H_EN.pdf newDoC_ITV0000-G_EN.pdf newDoC_ITV0000_EN.pdf DoC_ITV00x_TF00001-B.pdf
Installation manuals	IM_ITV0000_TF2Z365EN.pdf
Operation manuals	OM_ITV00_OM00002EN.pdf

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