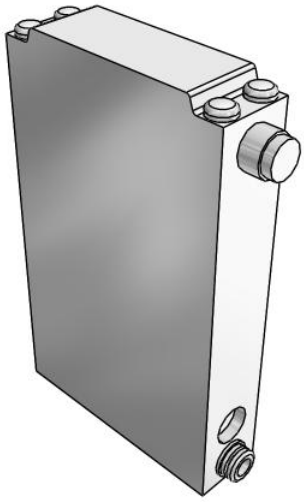


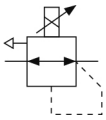
# ITV00**, Compact Electro-Pneumatic Regulator

## ITV0030-0N

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 | 0 (Current Style 4~20 mA DC) |
| Bracket | None |
| Pressure Range | 3 (0.001 to 0.5 MPa) |
| 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 MPa |
| Minimum operating pressure | 0.1 MPa |
| 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 |
| Flow rate of secondary exhaust | 6.0 Nl/min |
| Maximum output pressure | 0.5 MPa |
| Current consumption | 0.12 A |
| Enclosure | IP65 |
| Sensitivity | Within 0.2% (Full span) |

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



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| | |
|---|---|
| Repeatability | Within ±0.5% (Full span) |
| Set pressure range | 0.001 - 0.1 MPa |
| Linearity | Within ±1% (Full span) |
| Power supply voltage | 24 VDC ±10% |
| Max. supply pressure | 1.0 MPa |
| Min. supply pressure | Set pressure +0.1 MPa |
| Temperature characteristics | Within ±0.12% (Full span)/°C |
| Connection | Built-in One-touch fittings |
| Hysteresis | Within 0.5% (Full span) |
| Input signal Current type | 4 - 20 mA DC |
| Input impedance current type | 250 kΩ |
| Output signal Analogue | 1 to 5 VDC (Output impedance: Approximately 1 kΩ)<br>Output accuracy within ±6% (Full span) |
| Weight | 0.100 Kg |

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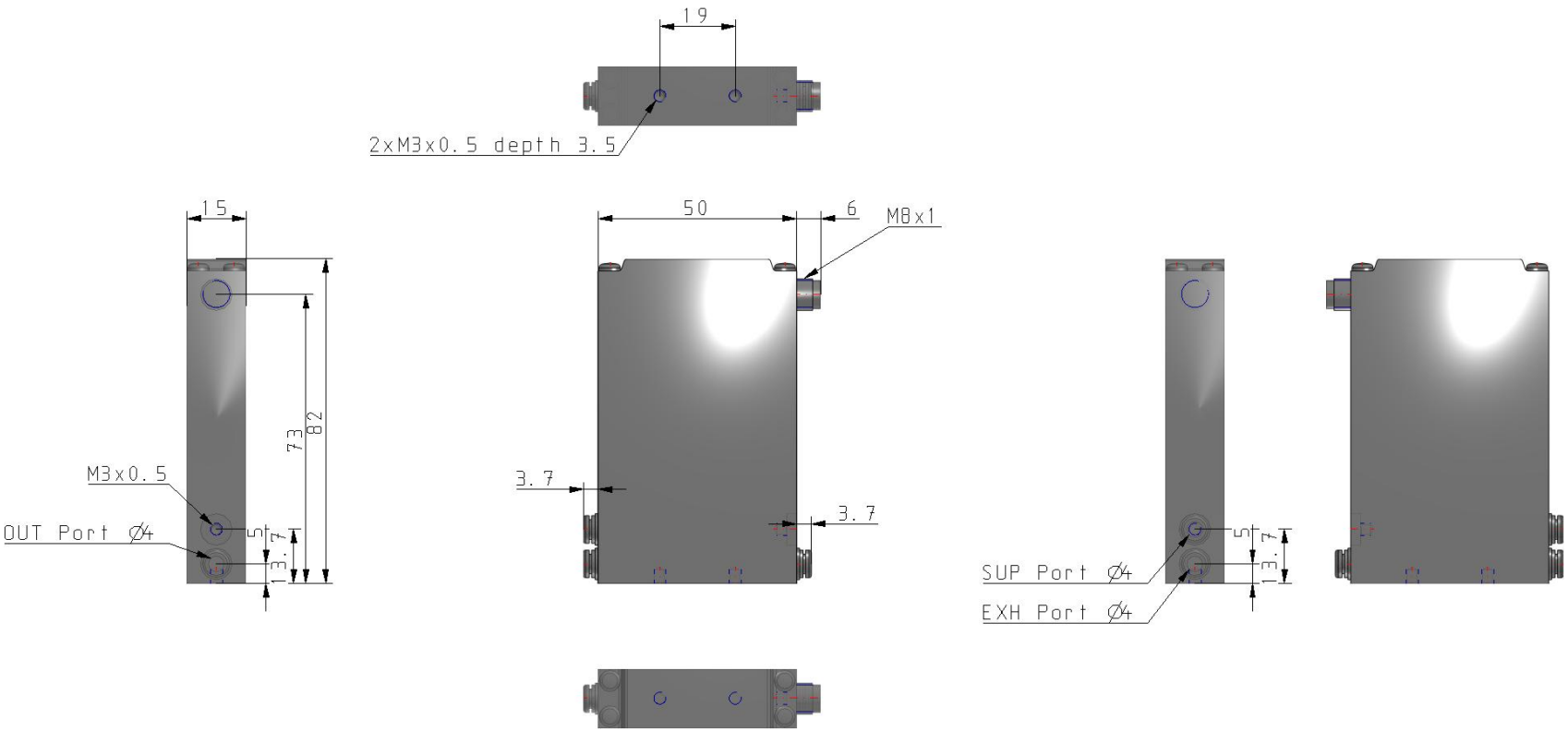
# Dimensions

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# Additional information

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

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