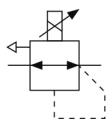


ITVX, High Pressure Electro-Pneumatic Regulator ITVX2030-31F3CN3

Datasheet

General series information

- Maximum supply pressure 5.0 MPa.
- Set pressure range 0.01 to 3.0 MPa.
- Suitable to assist gases other than air: Argon, Oxygen and Nitrogen.
- Low power consumption, with a maximum consumption of 3 W.
- Repeatability: ± 1 % F.S. or less.
- Compact and lightweight.



Electro-pneumatic regulator

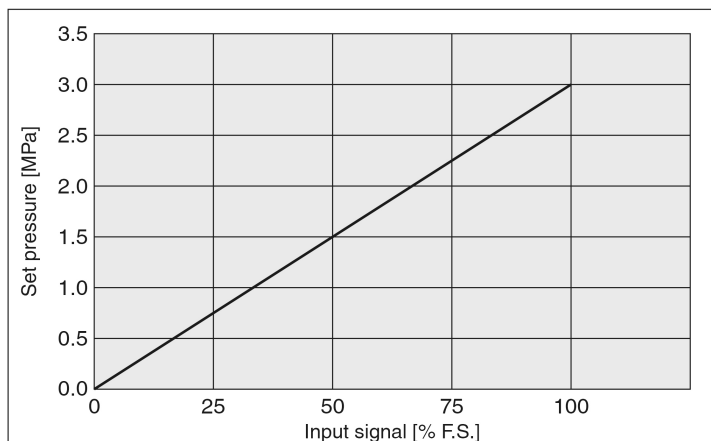
Standard specifications

Input Signal	3 (Voltage 0 to 10 VDC)
Monitor Output	1 (Analogue Output 1 to 5 VDC)
Thread	F [G(PF)]
Accessory	C (L Bracket: KT-ITV-L2)
Cable Connector Type	N (Without Cable Connector)
Pressure Display Unit	3 (Bar)
Maximum ambient temperature	50°C
Minimum ambient temperature	0°C
General power supply	24 VDC $\pm 10\%$
Sensitivity	$\pm 1\%$ or less (Full span)
Repeatability	$\pm 1\%$ or less (Full span)
Set pressure range	0.01 to 3.0 MPa
Linearity	$\pm 1\%$ or less (Full span)
Current consumption	0.12 A or less
Applicable fluid	Air, N ₂ , O ₂ , Ar
Max. supply pressure	5 MPa

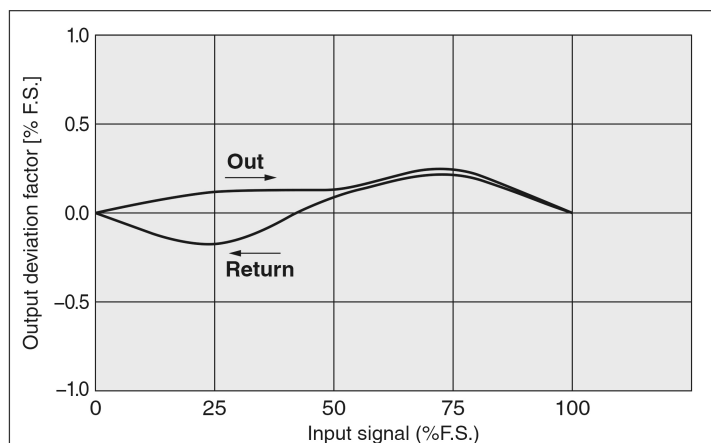
Min. supply pressure	Whichever is higher: 0.5 MPa or the set pressure +0.2 MPa
Display accuracy	$\pm 2\%$ or less (Full span) ± 1 digit
Temperature characteristics	$\pm 0.12\%$ or less (Full span)/ $^{\circ}\text{C}$
Maximum fluid temperature	50°C
Minimum fluid temperature	0°C
Minimum display unit	MPa: 0.01, kgf/cm ² : 0.1, bar: 0.1, psi: 1
Hysteresis	1% or less (Full span)
Input impedance Voltage type	6 to 6.5 k Ω (at ordinary temperature)
Output signal Analogue	1 to 5 VDC (Output impedance: Approximately 1 k Ω) Output accuracy within $\pm 6\%$ (Full span)
Technical graph 1	8718_graph1_en.jpg
Graph1 title	Linearity
Weight	0.570 Kg

Technical information graphs

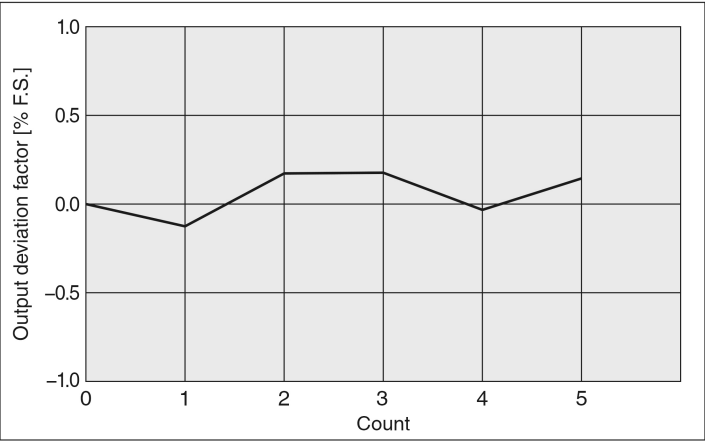
Linearity



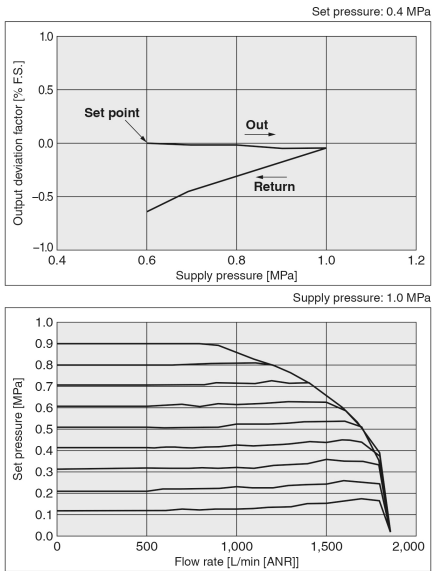
Hysteresis



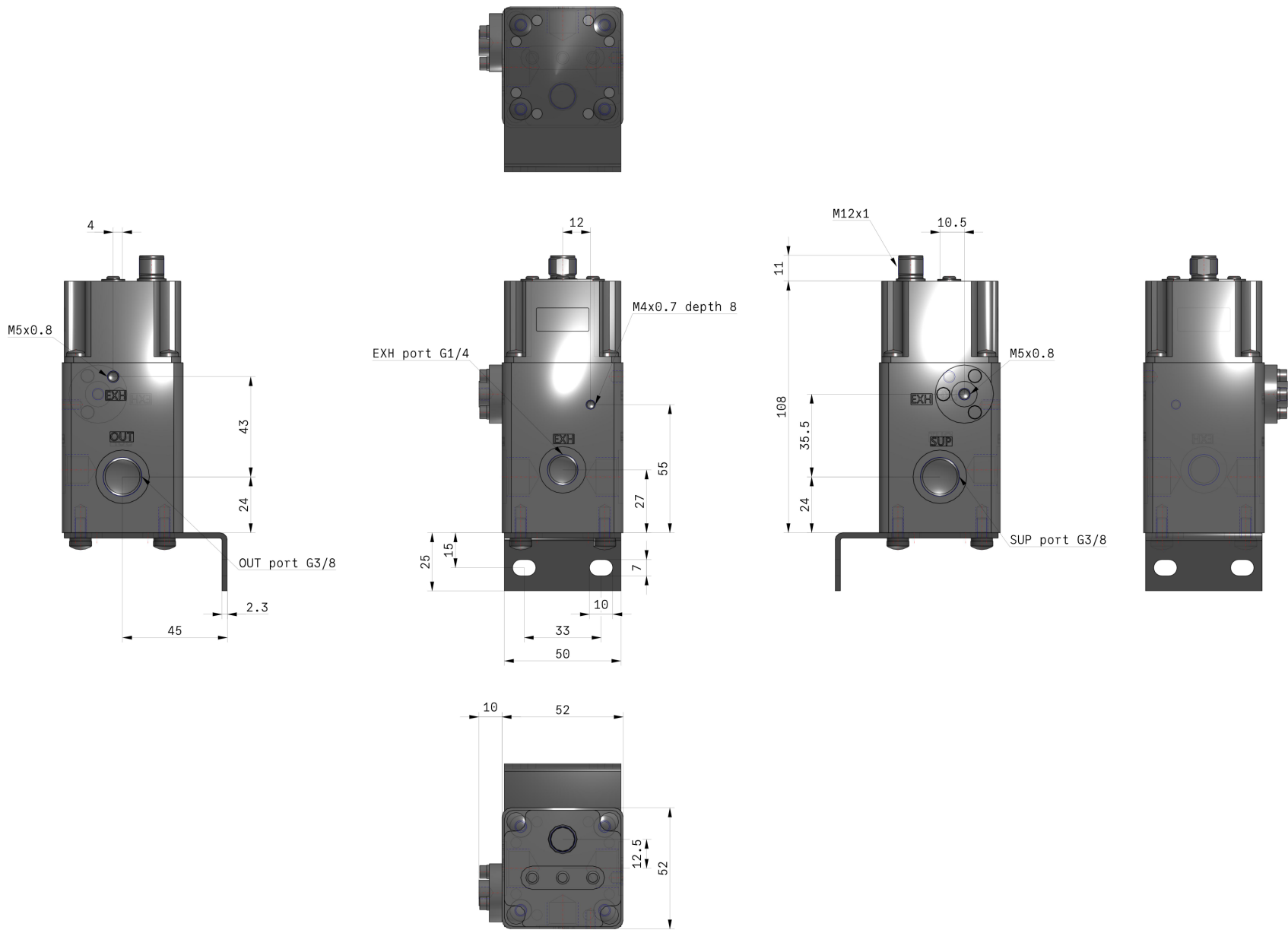
Repeatability



Pressure and Flow-rate characteristics



Dimensions



Additional information

Catalogue	ITVX_EU.pdf
Declaration of conformity	newDoC_ITVX_TF1V099EN.pdf newDoC_ITVX_TF125-075EN.pdf DoC_ITVX_T02-011-7-A.pdf
Installation manuals	IM_ITVX2030_TF2Z367EN-A.pdf
Operation manuals	OM_ITVX_OM002EN-D.pdf