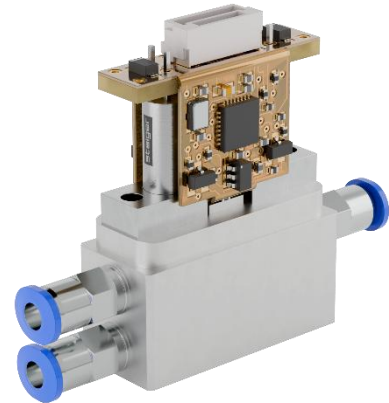


- World's smallest pressure regulator
- Temperature compensated measurement
- Integrated microcontroller, PID parameters adjustable via UART interface or freely programmable via Arduino IDE
- Suitable for vacuum – due to absolute pressure sensor



TECHNICAL DATA

Function	Pressure controller
Pneumatic connection	M3
Orifice size (Inlet/Outlet)	0.6/0.3 mm
Weight	20 g
Mounting position	any
Operating pressure	0.1 – 6 bar(a)
Flow rate with air	up to 7 l/min
Media quality	≤ 10 µm
Media	Air and inert Gases, others upon request ¹



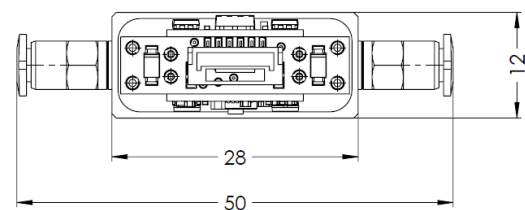
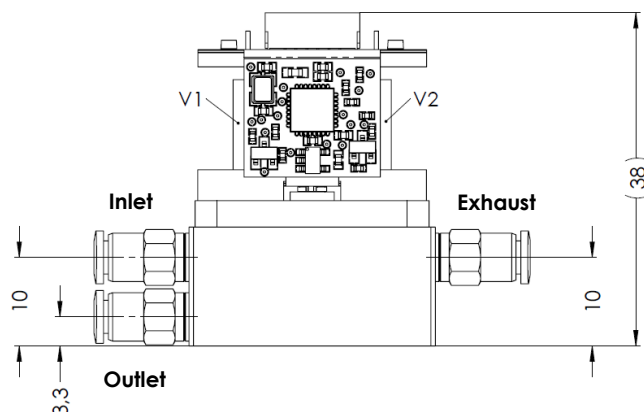
ELECTRICAL DATA

Electrical connection	JST BM06B-GHS-TBT
Nominal voltage	12 V DC
Nominal power consumption	1.6 W
Typical power consumption	0.7 W
Digital input control signal	UART

PERFORMANCE DATA

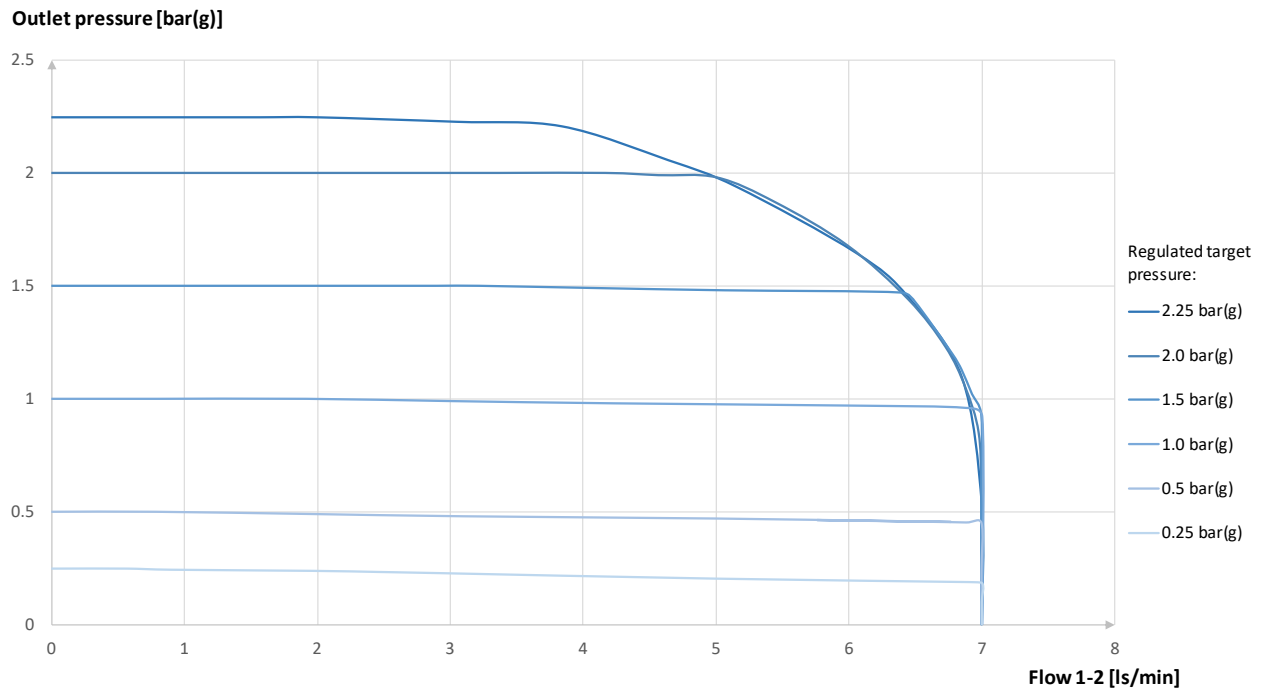
Pressure Accuracy	± 1.5 % FS
Reproducibility	1.0 % FS
Hysteresis	2.5 % FS
Linearity	1.0 % FS

CONTROLLER DIMENSIONS [MM]

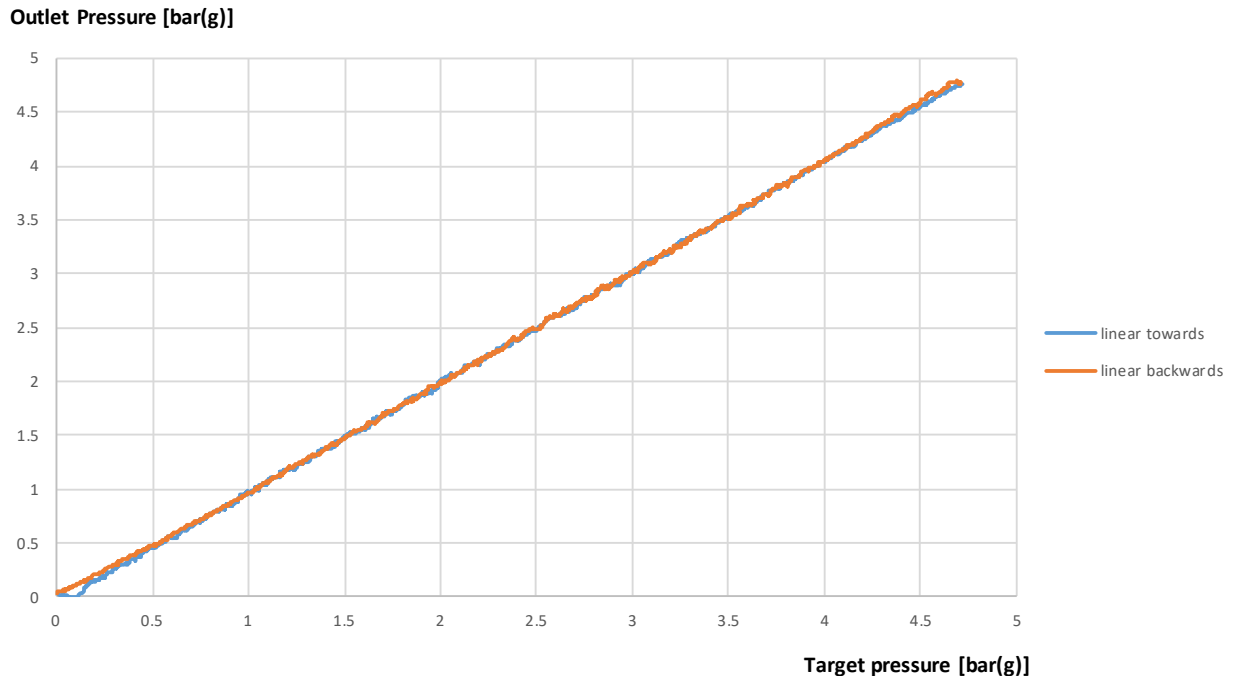


¹ Due to the use of stainless steel, the valve is suitable for many other media (including liquids) after prior testing. Please contact us for more information.

FLOW RATE 1>2 DEPENDING ON OUTLET PRESSURE AT INLET PRESSURE OF 2.5 BAR(G)



HYSTERESIS AND LINEARITY



The technical information given describes the usual properties of our products and does not constitute a warranty statement. All values were determined under laboratory conditions and must be verified by the customer for his specific purpose. Due to continuous technical progress, all rights to changes and additions are reserved.
 Status: 2026-03-12