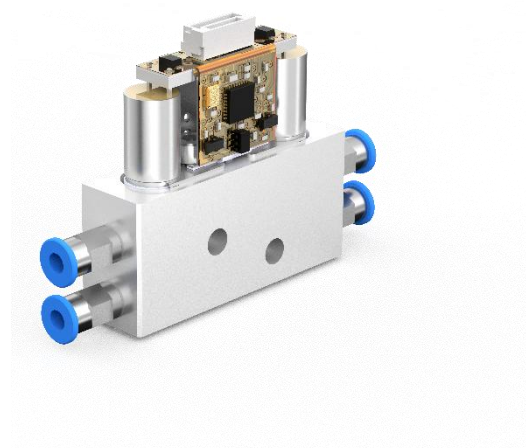


- World's smallest pressure regulator
- Temperature compensated measurement
- Integrated microcontroller, PID parameters adjustable via UART interface or freely programmable via Arduino IDE
- Suitable for vacuum due to absolute pressure sensor
- Proportional valve technology



TECHNICAL DATA

Function	Pressure controller
Pneumatic connection	M3
Orifice size	0.5 mm
Weight	36 g
Mounting position	any
Operating pressure	0.1 – 6 bar(a)
Flow rate with air	up to 9 l/min
Media quality	≤ 10 µm
Media	Air and inert Gases, others upon request ¹

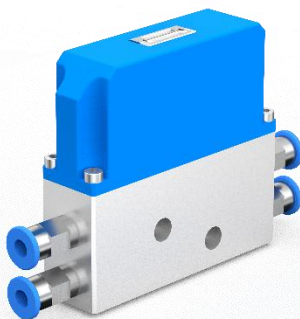


ELECTRICAL DATA

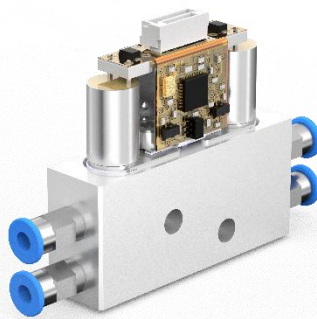
Electrical connection	JST BM06B-GHS-TBT
Nominal voltage	24 V DC
Typical power consumption	2 W
Digital Input control signal	UART

PERFORMANCE DATA

Pressure Accuracy	± 0.5 % FS
Reproducibility	0.2 % FS
Hysteresis	0.3 % FS
Linearity	0.3 % FS
Resolution digital control	1 mbar step



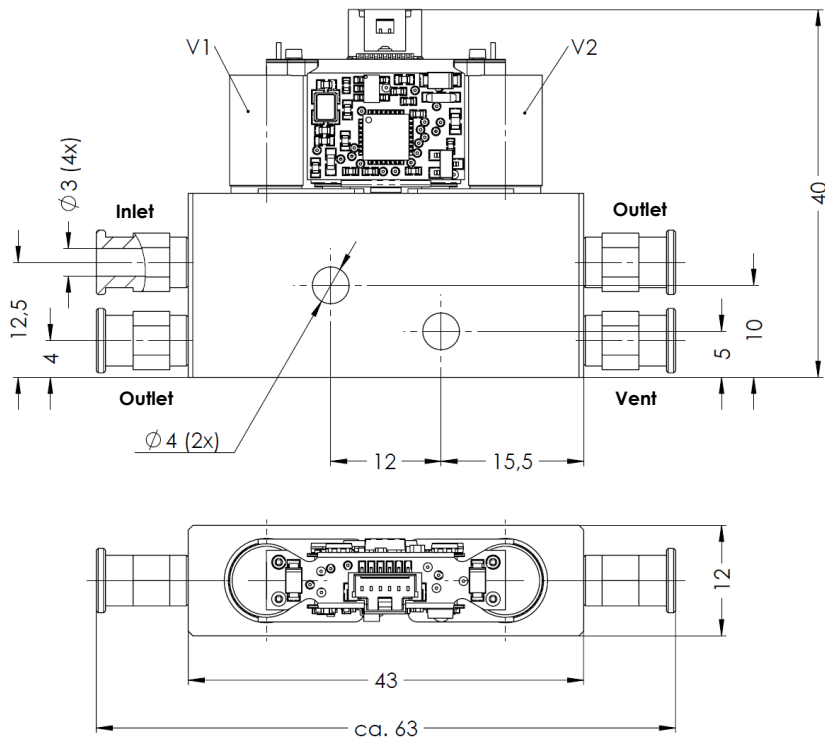
Model with cover



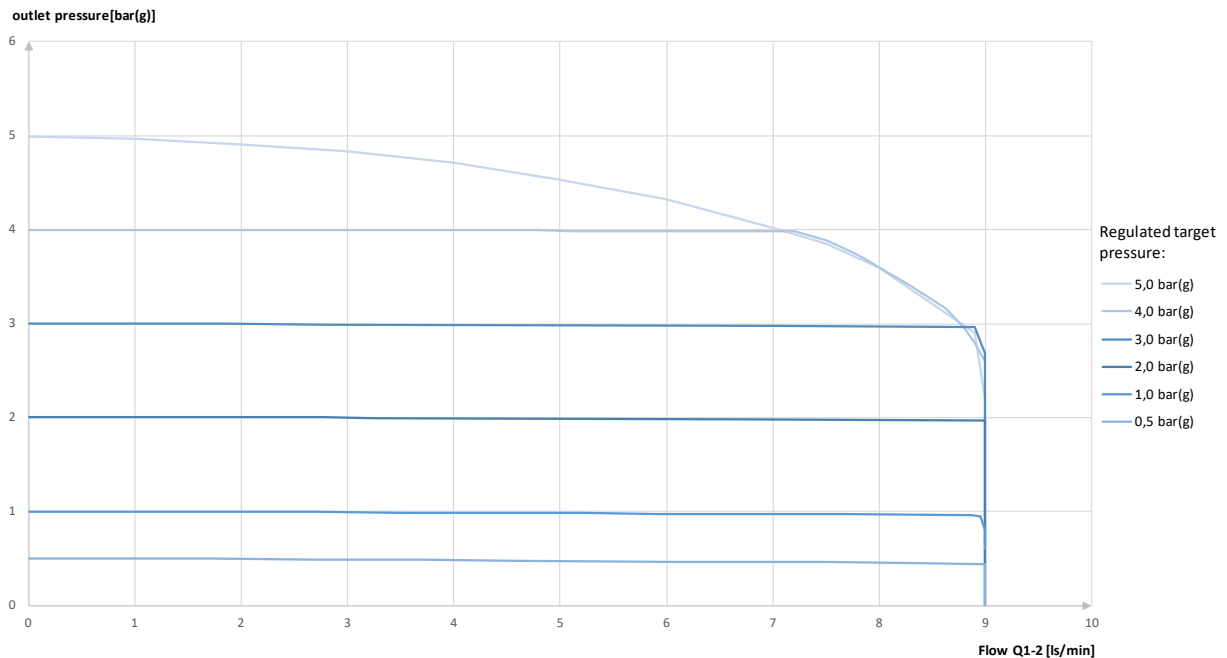
Model without cover

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.

CONTROLLER DIMENSIONS



FLOW RATE 1>2 DEPENDING ON OUTLET PRESSURE AT INLET PRESSURE OF 5 BAR(G)



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: 2026-03-05