

MARSH BELLOFRAM Type 10 Air Pressure Regulators

Get precise control even
in adverse conditions

- Use with clean, dry air
- Ideal for gas mixing, valve operations, and calibration stands

Regulators feature high-accuracy pressure regulation up to $\pm 0.1\%$, a servo-operated control mechanism for pressure stability, and start-up stability that returns to output setting after a long down-time. Locking nut prevents inadvertent adjustment of pressure. Unit can be in-line or panel mounted.



ISO9001:2008
CERTIFIED SUPPLIER

Specifications

Forward flow capacity: 14 scfm (396 LPM)	Max supply pressure: 150 psi
Bleed rate: 4.8 scfm (2.3 LPM)	Exhaust flow rate: 2 scfm (56 LPM)
Sensitivity: $\frac{1}{8}$ " H ₂ O	Operating temperature: –20 to 160°F (–28 to 71°C)
Supply pressure effect: 0.005 psi per 25 psi change	Wetted materials: clean, dry air

Process connection	Control range	Catalog number	Price
1/8" NPT(F)	2 to 25 psi	GH-68825-00	
	2 to 60 psi	GH-68825-02	
	2 to 120 psi	GH-68825-04	
1/4" NPT(F)	2 to 25 psi	GH-68825-06	
	2 to 60 psi	GH-68825-08	
	2 to 120 psi	GH-68825-10	
3/8" NPT(F)	2 to 25 psi	GH-68825-12	
	2 to 60 psi	GH-68825-14	
	2 to 120 psi	GH-68825-16	

Thermo Scientific™ NEMA 4X and Explosion-Proof I/P Transducers

Won't let vibration, shock, or
mounting position interfere

- Field-selectable direct and reverse modes
- Intrinsically safe input on all models
- Rugged NEMA 4X/IP65 enclosures on all models

The Brandt current-to-pressure (I/P) transducer is built for rugged, industrial environments. Advanced E-Pi technology uses a minimal amount of electrical energy and air consumption to convert a 4 to 20 input signal to a proportional pneumatic output signal. Pneumatic (backpressure) output is precisely modulated by a virtually weightless, low-mass membrane that is held in a continuously balanced position. The output of the E-Pi is fed into an integral volume booster to deliver a pneumatic output signal with an output capacity of 4.0 scfm.



MARSH BELLOFRAM Type 1000 I/P Transducers

Mount at any angle

- High-flow capacity up to 12 scfm
- External zero and span adjustments
- Lightweight

These electro-pneumatic transducers reduce supply pressure to a regulated output pressure directly proportional to an electrical input signal. They are also field-reversible by reversing the polarity of the signal leads and recalibrating. After calibration, the transducer will then provide a minimum of its full rated output pressure upon input signal failure.



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Specifications

Accuracy: $\pm 1.0\%$ of full reading	Max supply pressure: 150 psig
Forward flow capacity: 12 scfm (677 LPM)	Exhaust flow rate: 2 scfm (56.5 sL/min)
Sensitivity: $\pm 0.15\%$ of span	Wetted materials: clean, dry air
Operating temperature: –20 to 160°F (–28 to 71°C)	Process connection: 1/4" NPT(F)

Control range	Catalog number	Price
3 to 15 psi	GH-68826-00	
3 to 27 psi	GH-68826-02	
6 to 30 psi	GH-68826-04	

[GH-17090-29](#) NIST-traceable calibration with data

Specifications

Accuracy: $\pm 0.15\%$ of span (3 to 15 psi output); $\pm 0.25\%$ of span (3 to 27 and 6 to 30 psi output)	ATEX certification
Operating temperature: –40 to 150°F (–40 to 66°C)	STD 5000: ATEX Intrinsically safe; II 1G EEx ia IIC T4; II 1D (T+158°F; T+70°C); Tamb = –4 to 140°F; (–20 to 60°C)
Power: 24 to 40 VDC	STD 6000: Flameproof; II 2G EEx d IIC T6; II 2D (T+122°F; T+50°C)
Input signal: 4 to 20 mA	GSA/US certification:
Output capacity: 4 scfm	STD 5000: intrinsically safe; Class I, Groups A & B and Class II, Groups E, F & G and Class III; Temp Code T3C; intrinsically safe: Class I, Groups C & D and Class II, Groups E, F & G, and Class III; Temp Code T3C; Class I, Div 2, Groups A, B, C & D without safety barriers
Supply pressure standard: minimum of 3 psig and maximum of 10 psig above the maximum calibrated output	STD 6000: explosion proof or Class I, Groups B, C & D; Class II, Groups E, F & G; Class III and Class I, Div 2, Groups A, B, C & D hazardous locations outdoors
Enclosure: internally purged NEMA 4X/IP65; cast/machined aluminum with powder-coated epoxy	
Connections supply: 1/4" NPT(F)	
Pneumatic output port connections: two 1/4" NPT(F)	

Output range	Max supply pressure	Catalog number	Price
Type STD5000 NEMA 4X enclosure			
3 to 15 psi	20 psi	GH-68827-16	
6 to 30 psi	35 psi	GH-68827-18	
Type STD6000 explosion-proof enclosure			
3 to 15 psi	20 psi	GH-68827-19	
6 to 30 psi	35 psi	GH-68827-21	