

MD92 Subminiature Air Regulator

MARSH MEDICAL

The **MD92 Subminiature Air Regulator** is compact yet powerful, designed to provide precision control in tight spaces where reliability is essential. It boasts a highly sensitive diaphragm for stable pressure output, making it a great choice for demanding applications. This regulator ensures accurate pressure regulation even in challenging conditions, supporting optimal performance for a wide range of medical environments. Its durable construction and precise performance mean reduced downtime and more efficient operation, offering a reliable solution for critical medical processes.

FEATURES

- Ideal for tight spaces and low-flow or dead-end service
- Compact and lightweight design
- Available in standard or low bleed versions
- Corrosion-resistant anodized aluminum body
- Delivers excellent stability and repeatability
- Self-relieving functionality
- Budget-friendly solution

FOCUS MARKETS/APPLICATIONS

- Medical Vial Filling
- Blood Analyzers
- MRI Cooling Gases
- Specimen Sampling Equipment
- Gene Therapy Systems

COMPETITIVE ADVANTAGES

- Versatile integration across a range of medical and laboratory systems
- Optimized for compact medical equipment, fitting into tight spaces
- Provides consistent and precise pressure regulation, minimizing fluctuations
- Minimal maintenance requirements, reducing long-term operational costs



TECHNICAL DATA

Series	MD92
Effect of Supply Pressure Variation (25 PSIG) on Outlet Pressure	< 0.5 PSIG (35.5 mBAR)
Exhaust Capacity (5 psig above 20 PSIG set point)	0.1–0.3 SCFM Typical (2.8-8.5 LPM)
Maximum Supply Pressure	150 PSIG (10.3 BAR)
Flow Capacity at 100 PSIG (6.9 BAR) Supply and 20 PSIG (1.4 BAR) Outlet	5 SCFM (141 LPM)
Standard Output Pressure Ranges	0-5 PSIG (0-0.35 BAR) 0-15 PSIG (0-1.0 BAR) 0-30 PSIG (0-2.1 BAR) 0-60 PSIG (0-4.1 BAR) 0-100 PSIG (0-6.9 BAR)
Total Air Consumption at Max Output Pressure	0.3 SCFH (0.14 SLPM)
Operating Temperature Range	0 - +160°F (-18° - 71°C)
Port Size	1/16 NPT - Side and Bottom Ports
Materials of Construction	Body: Anodized Aluminum Bonnet: Anodized Aluminum Trim: Acetal, Brass, Stainless Steel Diaphragm: Fluorocarbon with Polyester Fabric Knob: Acetal Resin Spring: Stainless Steel, Music Wire
Size	1.19" x 1.19" x 3.55" (30.2 x 30.2 x 90.2 mm)
Weight	2.8 oz. (0.08 kg)
Mounting Options	Pipe or Panel

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REV 09.10.24