

Type 92

Subminiature Regulator Series

Features

- Designed for applications with limited space and for low flow or dead end service
- Small package size and lightweight construction
- Corrosion resistant anodized aluminum exterior
- Excellent stability and repeatability
- Self relieving
- Low cost

With the new Type 92, Marsh Bellofram has created a subminiature regulator with a true rolling diaphragm design. Most subminiature regulators utilize a flat diaphragm, which in this small of a regulator causes excessive droop and

low stability. By utilizing a larger diameter rolling diaphragm, the Type 92 regulator offers a more sensitive regulator with excellent stability and significantly less droop.

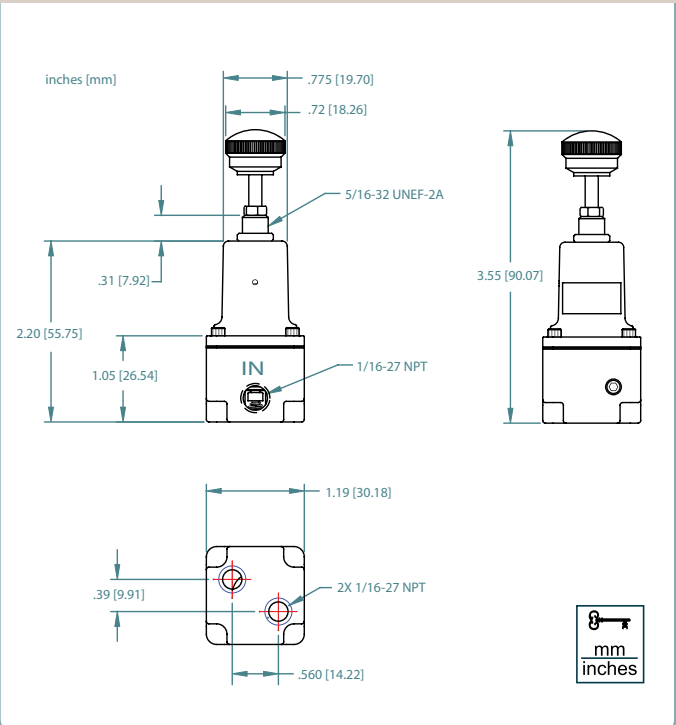
The Type 92 Subminiature Regulator is a compact, low-cost unit which operates in pressure ranges up to 100 PSI, with a maximum supply pressure of 150 PSI. It provides dependable reliability and accuracy for low flow or dead end applications. The Type 92 subminiature regulator is available with a corrosion resistant anodized aluminum body and bonnet. Comes standard with a fluorocarbon diaphragm.



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| | Type 92 |
|-------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| 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 and Weight | 1.19" X 1.19" X 3.55" (30.2 X 30.2 X 90.2 mm) 2.8 oz. (0.08 kg) |
| Mounting Options | Pipe or Panel |

Type 92 Dimensional Drawing



Type 92 Option Ordering Matrix

Replace last three digits of part number with digits from table below.

| Option | Non- Relieving | Slotted Adj. Screw |
|--------------------|----------------|--------------------|
| Non Relieving | 002 | 032 |
| Slotted Adj. Screw | | 003 |

Type 92 Barbed Fittings

| Port | Size | Part Number |
|-------------|-------------|-------------|
| In/Out Port | 1/16 NPT | 622-000-007 |
| Gauge Port | 10 - 32 UNF | 622-000-031 |

Type 92 Ordering Information

| | Part Number | Port Size (NPT) | Set Point Range | |
|---------|-------------|-----------------|-----------------|-------|
| | | | BAR | PSIG |
| Type 92 | 960-540-000 | 1/16 | 0-0.3 | 0-5 |
| | 960-541-000 | | 0-1.0 | 0-15 |
| | 960-542-000 | | 0-2.1 | 0-30 |
| | 960-543-000 | | 0-4.1 | 0-60 |
| | 960-544-000 | | 0-6.9 | 0-100 |