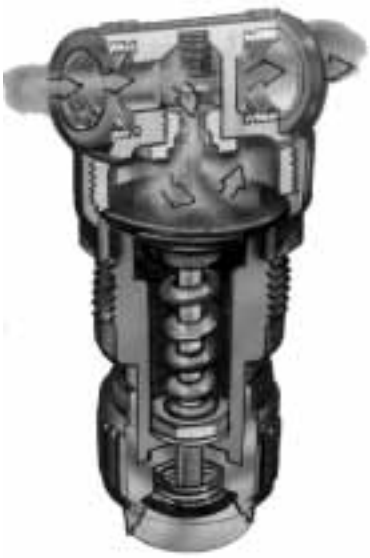
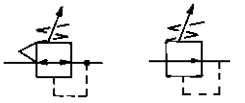
# Features

**1/8" and 1/4" Port Sizes (Ideal for water & low flow application)**

ARO Miniature Series Regulators are the ideal choice where a small, compact unit is required to provide accurate control of either air or water flow. It's diaphragm design provides a durable, no-leak seal especially effective in water and low-flow applications. Offering exceptional repeatability, the ARO Mini Regulator quickly returns to within 1% of its initial setting after any change in downstream pressure, when used in the mid-range of it's rated regulatory capability. This regulator is constructed of materials approved by the National Sanitation Foundation (NSF).

- A corrosion-resistant, glass-reinforced composite body can be ordered with either molded threads or corrosion-resistant, zinc-plated steel inserts.
- A stainless steel valve spring is the only metallic part to come in contact with the regulated medium.
- Buna N diaphragm is fabric-reinforced for superior sealing in water and low-flow applications.
- Regulator can be panel-mounted up to a thickness of 3/16". 1-3/16" - 18 spring housing thread allows easy panel mounting.
- A non-rising, locking adjustment knob cannot be vibrated loose. Simply pull and rotate the knob to adjust the downstream pressure setting. A tamper resistant adjustment knob is also available.






# Performance Specifications

**Materials of Construction**

| | |
|---|---|
| **Body:** | Glass-reinforced composite |
| **Seals:** | Buna N |
| **Diaphragm:** | Buna N |
| **Valve Seat:** | Acetal resin |
| **Spring Housing:** | Glass-filled nylon |
| **Knob:** | Acetal resin |
| **Valve Spring:** | Stainless Steel |

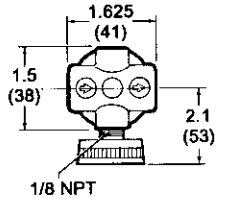
**Performance Specifications**

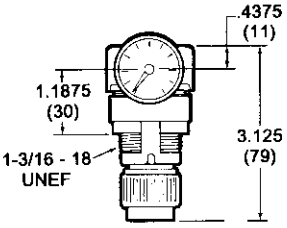
| | |
|---|---|
| **Max. Inlet Pressure:** | 250 PSIG ( 17 bar) |
| **Pressure Range in Regulator:** | 0 to 125 PSIG (0 to 8.6 bar) |
| **Operating Temperature Range:** | 0° to 150° F (-18° to 65° C) |
| **Weight:** | 1/8" = .25 lbs. (115 g) |
| | 1/4" = .22 lbs. (100 g) |
| *** Air Flow:** | 1/8" = 13 SCFM (6 $dm^3/s$) |
| | 1/4" = 13 SCFM (6 $dm^3/s$) |
| **** Water Flow:** | 1/8" = 1.75 GPM (6.6 L /min.) |
| | 1/4" = 2 GPM (7.6 L /min.) |
| **Gauge Port:** | 1/8" NPT |

* Air flow is at 125 PSIG (8.6 bar) inlet and 100 PSIG (6.9 bar) outlet

** Water flow is at 60 PSIG (4.1 bar) inlet and 40 PSIG (2.8 bar) outlet.

# Dimensional Data




**CAUTION:** Outlet pressure adjustment ranges are not minimum or maximum outlet pressure limits. Regulators can be adjusted to zero PSIG secondary pressure and, generally, to pressures in excess of those specified. The use of these regulators to control pressures outside of the specified ranges is not recommended.

# Ordering

## 1/8" and 1/4" Port Sizes (Ideal for water & low flow application

Select the basic model number associated with the thread type (brass or molded threads) and port size (1/8" or 1/4") desired from the table below. For BSP threads, consult factory.

**Note:** Not all menu combinations are valid. See price book to verify.

| PORT SIZE | BASIC MODEL | THREAD TYPE |
|---|---|---|
| 1/8" | **127112- X X X** | With Insert (Steel Thread) |
| 1/4" | **127122- X X X** | With Insert (Steel Thread) |
| 1/8" | **127132- X X X** | Molded Thread (No Insert) for water service |
| 1/4" | **127142- X X X** | Molded Thread (No Insert) for water service |

| Pressure Range* PSIG | bar | | Relieving Option | Control Option |
|---|---|---|---|---|
| **0** = 5-125 | .4-8.6 | No gauge | **0** = Relieving (for air service) | **0** = Standard Knob |
| **1** = 0-50 | .0-3.5 | No gauge | **2** = Non-Relieving (for air or water service) | **3** = Tamper Resistant Knob |
| **2** = 0-25 | .0-1.7 | No gauge | | |
| **3** = 0-15 | .0-1 | No gauge | | |
| **6** = 5-125 | .4-8.6 | W/ 0-160 lb. gauge (#100095-160) | | |
| **7** = 0-50 | .0-3.5 | W/ 0-60 lb. gauge (#29863) | | |
| **8** = 0-15 | .0-1.0 | W/ 0-15 lb. gauge (#29846) | | |

Shaded area = Best-Selling Models



**127122-600**

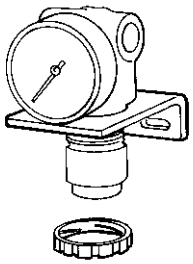
**(Shown with 100095-160 Gauge)**

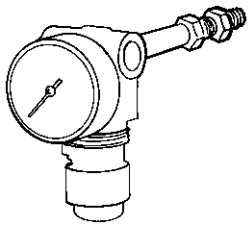


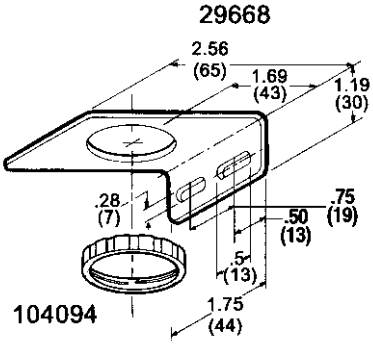
**100095-160**

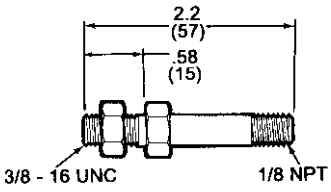
# Accessories

| MODEL | DESCRIPTION |
|---|---|
| **29846** | Gauge 0-15 PSIG (0-1 bar) |
| **29755-1** | Gauge 0-30 PSIG (0-2 bar) |
| **29863** | Gauge 0-60 PSIG (0-4 bar) |
| **29850** | Gauge 0-160 PSIG (0-11 bar) |
| **100095-160** | Gauge 0-150 PSIG (0-10 bar) |
| **29539** | Spring 5-125 lb. (Gold) |
| **29540** | Spring 0-50 lb. (Green) |
| **29754-1** | Spring 0-25 lb. (Blue) |
| **29622** | Spring 0-15 lb. (Black) |
| **29668** | Mounting Bracket |
| **104094** | Panel Mounting Nut |
| **104039** | Stud Mount |
| **104158** | Service Kit- Relieving Type |
| **104159** | Service Kit- Non-Relieving Type |
| **104109** | Tamper-Resistant Knob Kit |
| **104265** | Nut & Bracket Kit (Includes 104094 Nut & 29668 Bracket) |








104039