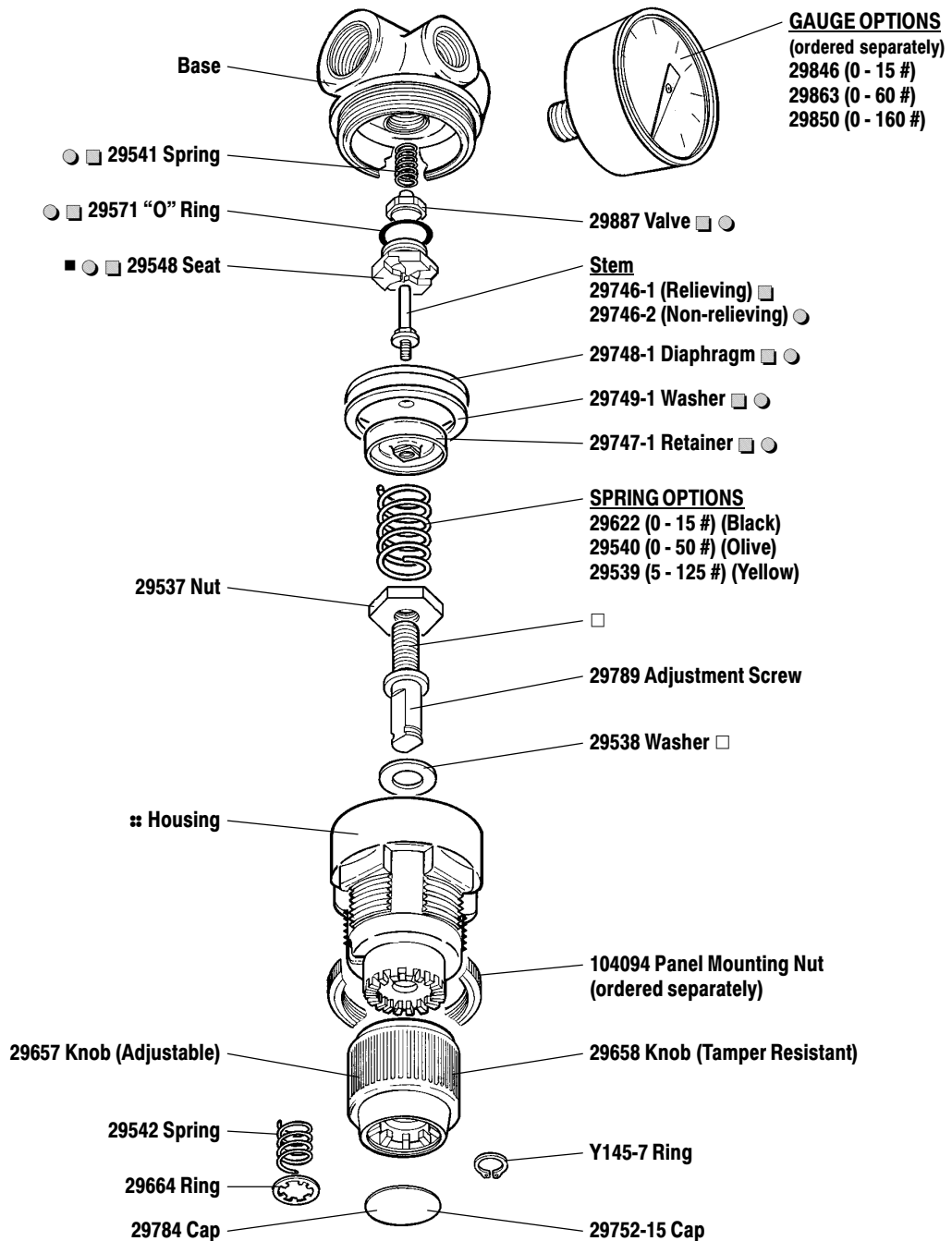


# MINIATURE AIR REGULATOR

RELEASED: 6-10-98  
REVISED: 9-17-99  
(REV. A)

MODELS	
NO GAUGE	WITH GAUGE
00269092 - 1/8" NPT	00269118 - 1/8" NPT
00269100 - 1/4" NPT	00269126 - 1/4" NPT



- Items included in 104158 repair kit (relieving).
- Items included in 104159 repair kit (non-relieving).
- Lubricate with Key-lube® grease
- Torque to 4 - 5 in. lbs (.45 - .56 Nm).
- :: Torque to 3.5 - 4.5 ft lbs (4.7 - 6.1 Nm).

Key-Lube® is a registered trademark of Key Industries.

**MSC INDUSTRIAL SUPPLY**  
151 SUNNYSIDE BLVD.  
PLAINVIEW, NY, 11802-1592  
☎ (1-800-645-7270)

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## OPERATING AND SAFETY PRECAUTIONS

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- Read carefully all warnings and safety precautions and heed the following before operating, to avoid personal injury and / or property damage.
- Be certain anyone operating this equipment has been trained to use it safely.

**⚠ WARNING COMPONENT RUPTURE.** DO NOT EXCEED MAXIMUM RATED OPERATING PRESSURE OF 250 p.s.i. (17.2 bar). To avoid possible damage or personal injury, DO NOT expose the unit to excessive pressure beyond the intended working range.

**⚠ WARNING TEMPERATURE LIMITS.** DO NOT EXCEED MAXIMUM TEMPERATURE RANGE.

**⚠ WARNING USE WITH INDUSTRIAL COMPRESSED AIR SYSTEMS ONLY.** DO NOT USE WITH BOTTLED GAS PRODUCTS OR FLUIDS. MISAPPLICATIONS CAN RESULT IN COMPONENT FAILURE.

**⚠ WARNING DISASSEMBLY HAZARD.** DO NOT DISASSEMBLE THIS UNIT WHEN IT IS UNDER PRESSURE. SHUT OFF AND RELIEVE AIR SUPPLY BEFORE ATTEMPTING SERVICE OR DISASSEMBLY PROCEDURES. Isolate the unit by closing the line valve or disconnect the supply line or hose.

**⚠ CAUTION** THE REGULATOR GAUGE PORT SHOULD NOT BE USED AS AN AUXILIARY PRESSURE OUTLET PORT. The gauge port is intended to be used only for pressure monitoring, sensing or remote pilot. The feedback may affect the set pressure.

**NOTICE** Secondary pressure adjustment ranges are not minimum or maximum secondary pressure limits. Regulators can be adjusted to zero p.s.i.g. secondary pressure and, generally, to pressures in excess of those specified. The use of these regulators to control pressure outside of the specified range is not recommended.

**⚠ WARNING** = Hazards or unsafe practices which could result in severe personal injury, death or substantial property damage.

**⚠ CAUTION** = Hazards or unsafe practices which could result in minor personal injury, product or property damage.

**NOTICE** = Important installation, operation or maintenance information.

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## TECHNICAL SPECIFICATIONS

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### MATERIALS OF CONSTRUCTION

**Body:** Glass-reinforced composite, w / Zinc plated steel inserts (optional)

**Seals:** Nitrile.

**Diaphragm:** Nitrile.

**Valve:** Acetal and Nitrile.

**Spring Housing:** Glass filled nylon.

### OPERATING CONDITIONS

**Maximum Inlet Air Pressure:** 250 p.s.i.g. (17.2 bar)

**Pressure Range in Regulator:** 0 to 125 p.s.i.g. (0 to 8.6 bar)

**Temperature Range:** 0° to 150° F (-18° C TO 66° C)

**Application:** Industrial compressed air systems.

**Flow:** Air flow is at 125 p.s.i.g. (8.6 bar) inlet and 100 p.s.i.g. (6.9 bar) outlet.

1/8" – 13 SCFM (6 dm<sup>3</sup>/s)

1/4" – 13 SCFM (6 dm<sup>3</sup>/s)

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## INSTALLATION

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- Install regulator with the air flow as indicated on the top of the unit.
- Install regulator as close as possible to the air operated equipment for best performance.
- Locate the regulator upstream from the lubricator.
- If the air line contains water, sludge or foreign materials, a filter should be installed on the upstream side to protect the regulator.
- After the regulator has been installed in the air line, the adjustment knob should be turned counterclockwise until compression is released from the pressure control spring. This prevents over pressurizing the air operated equipment when the air supply is turned on.

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## OPERATION

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- Pull and turn knob to adjust air pressure.
  - Turn clockwise to increase pressure.
  - Turn counterclockwise to decrease pressure.
- NOTE: On non-relieving models only, reduce pressure to lower than estimated final operating pressure, purge air (open or actuate air operated equipment to relieve pressure), adjust pressure upward as needed.

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## MAINTENANCE

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- Once the system has been depressurized, the regulator valve and diaphragm can be replaced without removing the unit from the line.