

WARNING

To avoid unpredictable system behavior that can cause personal injury and property damage:

Installation:

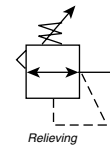
1. Regulator should be installed with reasonable accessibility for service whenever possible — repair service kits are available. Keep pipe or tubing lengths to a minimum with inside clean and free of dirt and chips. Pipe joint compound should be used sparingly and applied only to the male pipe — never into the female port. Do not use PTFE tape to seal pipe joints — use sealant 1-5.6 (1060.0 Titon 7nit, at.) T8.5und s8o s8.5 0 0 8.5 mustab closely to these devices. Mounting may be in any position.
3. Gauge ports are located on both sides of the regulator body for your convenience. It is necessary to install a gauge or pipe plug into each port during installation.
4. Remove plastic plug from vent hole in bonnet.
5. For protection against rust, pipe scale and other foreign matter, install a filter on the upstream (high pressure) side as closely to the regulator as possible.



WARNING

Product rupture can cause serious injury.
Do not connect regulator to bottled gas.
Do not exceed maximum primary pressure rating.

ANSI Symbols



Service Kits / Accessories:

| | |
|--|--|
| Relieving Service Kit 0-2 PSIG 0-30 PSIG 1-60 PSIG 2-150 PSIG | RKR230E* RKR230B* RKR230C* RKR230D* |
| Mounting Brackets Pipe Mounting Right Angle Mounting | SA200XW57 446-707-025 |

* Parts in Kit.

Introduction

Follow these instructions when installing, operating, or servicing the product.

Application Limits

These products are intended for use in general purpose compressed air systems only.

| Operating Pressure Range: | PSIG | bar |
|------------------------------------|-------------|------------|
| PRIMARY – Maximum | 250 | 17.24 |
| SECONDARY – Spring Pressure | | |
| 2 PSIG Minimum | 0 | 0 |
| Maximum | 2 | 0.14 |
| 30 PSIG Minimum | 0.5 | 0.03 |
| Maximum | 30 | 20.70 |
| 60 PSIG Minimum | 1 | 0.07 |
| Maximum | 60 | 4.14 |
| 150 PSIG Minimum | 2 | 0.14 |
| Maximum | 150 | 10.34 |

Operating Temperature Range:

-40°C † to 71°C (-40°F to 160°F)

† Temperatures below 0°C (32°F) require moisture free air.

Operation

1. Before turning on the air supply, turn the adjusting knob counterclockwise until compression is released from the control spring. Then turn on air supply and adjust regulator to desired secondary pressure by turning adjusting knob clockwise. This permits pressure to build up slowly, preventing any unexpected operation of the valve, cylinders, tools, etc., attached to the line. Adjustment to desired secondary pressure can be made only with primary pressure applied to the regulator.
2. To decrease regulator pressure setting, always reset from a pressure lower than the final setting desired. For example, lowering the secondary pressure from 5.5 to 4.1 bar (80 to 60 PSIG) is best accomplished by dropping the secondary pressure to 3.5 bar (50 PSIG), then adjusting upward to 4.1 bar (60 PSIG).

Figure 1

CAUTION

REGULATOR PRESSURE ADJUSTMENT - The working range of the knob adjustment is designed to permit outlet pressures within their full range. Pressure adjustment beyond this range is also possible because the knob is not a limiting device. This is a common characteristic of most industrial regulators, and limiting devices may be obtained only by special design.

Service: (Always vent all air pressure before servicing)

1. Turn the control knob **(A)** fully counterclockwise. Remove upstream air supply.
2. Remove two # 10-32 screws **(R)** on the bottom of the regulator body **(K)** releasing the seal **(P)** and cap **(Q)**. Pull out the inner valve assembly **(N)** and screen **(M)**. Discard inner valve assembly and clean screen with mild soap and water.
3. Remove six screws **(B)**