

March 2004

Type R622-LBW Regulator

Introduction

This installation sheet covers the installation, startup, and adjustment procedures for Type R622-LBW pressure reducing regulator. These regulators have internal relief to help minimize overpressurization of the downstream system.

Specifications⁽¹⁾

Maximum Allowable Inlet Pressure
10 psig (0,69 bar)

Maximum Emergency Outlet Pressure
20 psig (1,4 bar)

Maximum Operating to Avoid Internal Part Damage
3 psid (0,21 bar d) above outlet pressure setting

Outlet Pressure Ranges
13 to 20-inches w.c. (32 to 50 mbar)

Material Temperature Capabilities
-40° to 160°F (-40° to 71°C)

Installation

WARNING

Personal injury, equipment damage, or leakage due to escaping accumulated gas or bursting of pressure-containing parts may result if this regulator is overpressured or is installed where service conditions could exceed the limits given in the Specifications. To avoid such injury or damage, provide pressure-relieving or pressure-limiting devices to prevent service conditions from exceeding those limits. Also, physical damage to the regulator can result in personal injury or property damage due to escaping gas. To avoid such injury and damage, install the regulator in a safe location.

1. Only personnel qualified through training and experience should install, operate, and maintain a regulator. Before installing, check for damage which may have occurred in shipment. Also check the regulator and pipeline for debris.

2. The Type R622-LBW may be installed in any position. Apply a good grade of pipe compound to the male threads of the pipe (being sure not to apply pipe compound to flow path of the pipe) and install the regulator so that the flow is in the direction of the arrow cast on the body. Use approved piping procedures when installing the regulator.

WARNING

A regulator may vent some gas to the atmosphere. In hazardous or flammable gas service, vented gas may accumulate, and cause personal injury, death, or property damage due to fire or explosion. Vent a regulator in hazardous gas service to a remote, safe location away from air intakes or any hazardous location. The vent line or stack opening must be protected against condensation or clogging. Under enclosed conditions, the vent should be piped away from the regulator to a safe location.

3. On outdoor installations, regulators installed with vents in positions other than vertically down require additional vent protection from the elements.
4. Regulator operation within ratings does not preclude the possibility of damage from debris in the lines or from external sources. A regulator should be inspected for damage periodically and after any overpressure condition.
5. To adjust the regulator, monitor downstream pressure with a gauge during the adjustment procedure. To increase the outlet pressure, the adjustment screw (key 23, Figure 1) must be turned clockwise. This requires removal of the closing cap (key 31, Figure 1). To reduce the outlet pressure setting, turn the adjusting screw counterclockwise. Do not adjust the spring above the limit stamped on the regulator.

1. The pressure/temperature limits in this installation sheet, and any applicable code or standard limitations, should not be exceeded.

Type R622-LBW

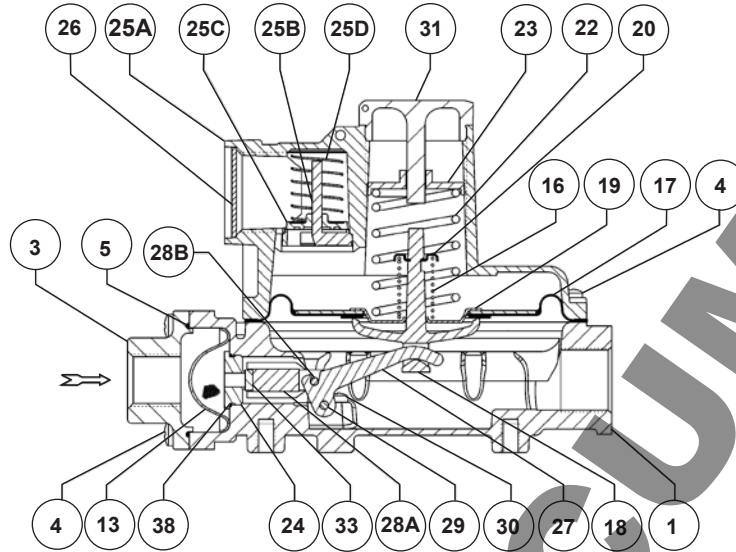


Figure 1. Type R622 Regulator

Parts List

Key	Description	Key	Description	Key	Description	Key	Description
1	Body	10	O-ring	20	Relief Spring Retainer	29	Pin Lever
2	Pipe Plug	11	Disc Assembly	22	Spring	30	Machine Screw
3	Inlet Fitting	13	Inlet Screen	23	Adjusting Screw	31	Closing Cap
4	Machine Screw	15	Vent Screen	24	Orifice	33	Disc
5	O-ring	16	Relief Spring	25	Spring Case Assembly	38	O-ring
6	Closing Spring	17	Diaphragm	26	Vent Screen	40	Set Spring
7	Diaphragm	18	Pusher Post	27	Lever	41	Information Label
8	Diaphragm Head	19	Lower Spring Seat	28	Stem Assembly	43	Packaged Screws
9	Orifice						

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