

Series 127 Pressure Regulator for Steam (Single Seat, Diaphragm, Spring Type)

Installation Instructions

No. 127 may be installed with diaphragm **above** or **below** the line or in a **vertical** line.

1. Before installing, be sure pipe ends are reamed and threads are cut to size. Blow out lines to remove all loose scale and other foreign matter that can damage valve seat.
2. Install regulator in the line with the arrow on the body pointing in the direction of flow.
3. Connect 1/4" or 3/8" equalizer pipe as shown from the diaphragm chamber to a point in the reduced pressure line not less than 18", but preferably a greater distance from the regulator.

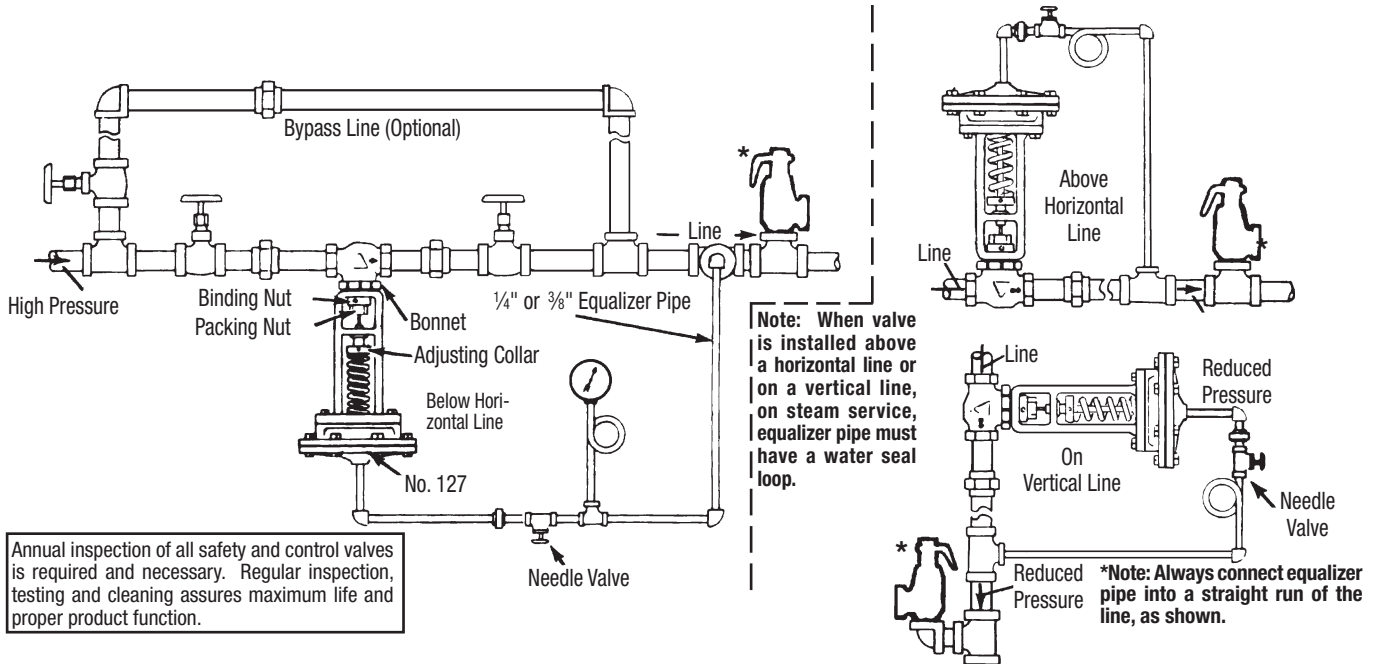
steam service, the control pipe must have a loop to form a water seal to prevent steam from contacting the diaphragm.

4. Install a needle valve in the control line. If uneven pressure should cause the regulator to pulsate, its action can be stabilized by throttling the valve.

NOTE: 15" diameter chambers are standardly furnished with a pressure relief valve, factory set at 60psi to protect the chamber from excessive pressure. A drain line should be attached to the relief valve to channel any potential discharge to a safe place of disposal.

NOTE: When regulator is installed above the line or in a vertical line on

***Steam safety valve should be installed to provide emergency protection of equipment.**



Annual inspection of all safety and control valves is required and necessary. Regular inspection, testing and cleaning assures maximum life and proper product function.

To Adjust: When diaphragm is above the line, turn adjusting collar from left to right to increase the reduced pressure - opposite to decrease reduced pressure.

When diaphragm is below the line, turn adjusting collar from right to left to increase the reduced pressure - opposite to decrease the reduced pressure.

A steel rod is provided to turn adjusting collar.

Tighten packing nut lightly if leaks occur around stem. Repack stem when light nut pressure cannot stop leak. Do not tighten packing nut enough to bind stem. This causes uneven regulation and excessive stem wear.

To Clean: Inspect or replace worn valve disc, disconnect control pipe and unscrew bonnet from valve body using blunt tool and hammer on bonnet lug. Lift entire topwork clear of body.

Limited Warranty: Watts Regulator Co. (the "Company") warrants each product to be free from defects in material and workmanship under normal usage for a period of one year from the date of original shipment. In the event of such defects within the warranty period, the Company will, at its option, replace or recondition the product without charge. **THE WARRANTY SET FORTH HEREIN IS GIVEN EXPRESSLY AND IS THE ONLY WARRANTY GIVEN BY THE COMPANY WITH RESPECT TO THE PRODUCT. THE COMPANY MAKES NO OTHER WARRANTIES, EXPRESS OR IMPLIED. THE COMPANY HEREBY SPECIFICALLY DISCLAIMS ALL OTHER WARRANTIES, EXPRESS OR IMPLIED, INCLUDING BUT NOT LIMITED TO THE IMPLIED WARRANTIES OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE.**

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Water Safety & Flow Control Products



USA: 815 Chestnut St., No. Andover, MA 01845-6098; www.watts.com

Canada: 5435 North Service Rd., Burlington, ONT. L7L 5H7; www.wattscanada.ca