



Pressure Reducing Valves

Models GD-30 and GD-30S

These instructions should be used by experienced personnel!

PRODUCT DESCRIPTION

Model shown on the picture: GD-30

Armstrong Bronze or Stainless Steel Direct Acting Pressure Reducing Valve.

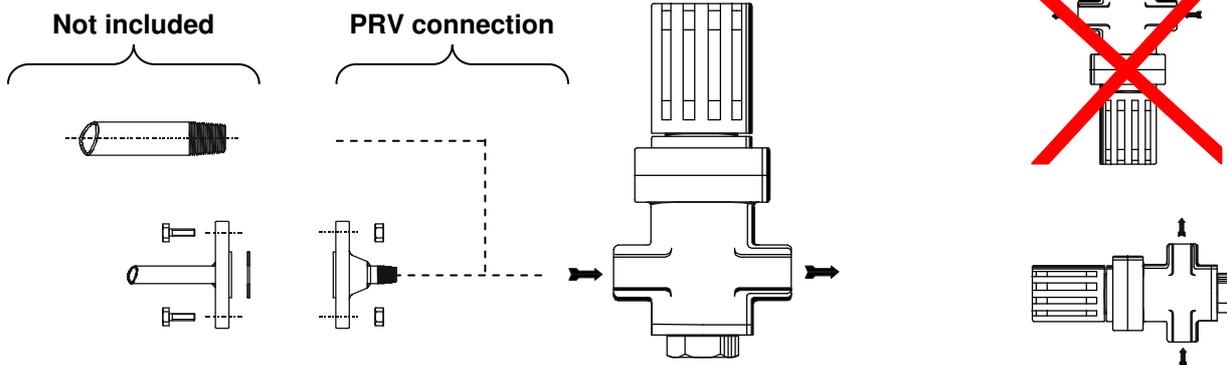
For Steam, Air and Non-Corrosive Gases.

For detailed material specifications, approximate dimensions and weight, see Armstrong literature or consult your local Representative.



INSTALLATION

Model shown on the drawing: GD-30S



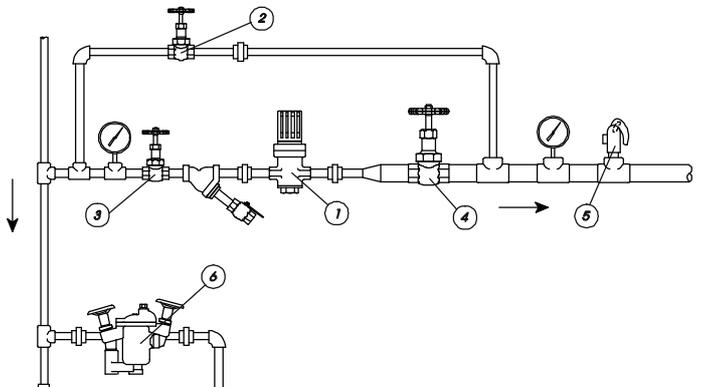
START-UP, ADJUSTMENT AND SHUT-DOWN PROCEDURE

For detailed hookups and adapted start-up and shut-down procedures, see Armstrong literature or consult your local Representative.

Downstream demand is necessary to set the pressure reducing valve.

The installation shown below is for steam applications. For air or other gases, the steam trap (6) should be replaced by a liquid drainer.

- Close the isolation valves (3 & 4) and open the by-pass valve (2) to blow-down inlet piping. After having blown the system down, close the by-pass valve (2);
- Make sure steam trap (6) is operating properly;
- Completely open the inlet valve (3) and partially open the outlet valve (4);
- Push down the adjusting handle of the Pressure Reducing Valve (1) and turn it clockwise until the desired pressure is reached at the outlet of the Pressure Reducing Valve (1). Release handle, which will automatically lock;
- Completely open the outlet valve (4), pressure reducing station should now operate normally;
- To shut the system down, close the inlet valve (3) first, then the outlet valve (4).

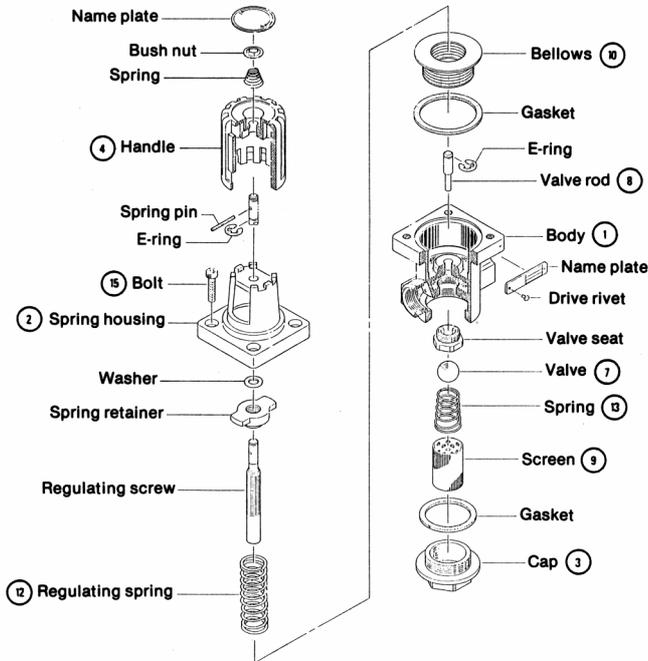


MAINTENANCE

For troubleshooting, testing methods, frequency of maintenance and detailed spare parts list, see Armstrong literature or consult your local Representative.



**EQUIPMENT UNDER PRESSURE
OPERATING TEMPERATURE >100 °C
MAKE SURE PRESSURE REDUCING VALVE IS COLD BEFORE HANDLING**



Model shown on the drawing: GD-30

I. Disassembly Procedure:

- Pull up and turn the handle (4) counterclockwise in order to free the regulating spring (12);
- Unscrew the bolts (15) and take away the spring housing (2) the handle (4) can not be disassembled);
- Remove and replace if necessary the regulating spring (12), the bellows (10) and the valve rod (8);
- Unscrew the cap (3) by turning it counterclockwise;
- Remove and replace if necessary the main spring (13), the screen (9), the valve (7) and the valve screen;
- Assemble in opposite order. Replace gaskets if necessary.