Armstrong

Control Panel Model A

Bulletin No. AY-774-A

INSTALLATION & OPERATING INSTRUCTIONS

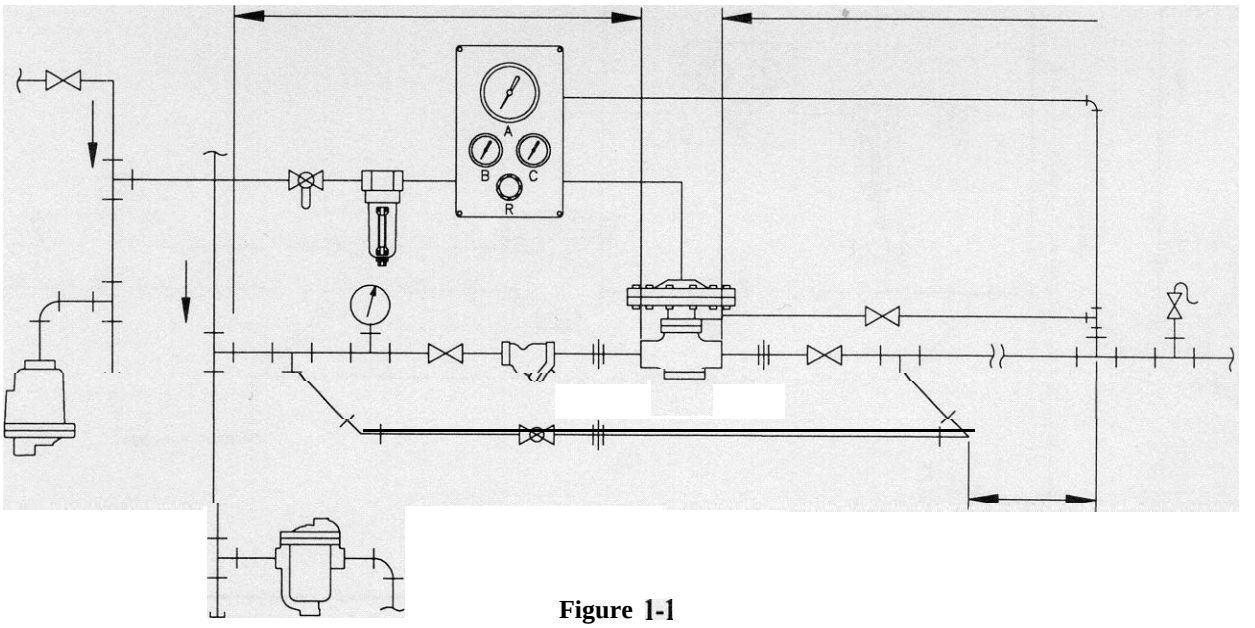

Figure 1-1

This bulletin should be used by experienced personnel as a guide to the installation of Control Panel A. Selection or installation of equipment should always be accompanied by competent technical assistance. You are encouraged to contact Armstrong International, Inc. or its local sales representative for additional information.

Installation

1. An Armstrong Liquid Drainer is recommended to drain liquid from the air supply line to the panel.
2. An Armstrong AF-10 filter with a 5 micro filter should be installed in the air line going to the A-panel to reduce the chance of dirt fouling the instrumentation regulator.
3. A 1/4" ball valve should be installed before the AF-10 for ease of maintenance and troubleshooting.
4. Install the Control Panel A in a location that is accessible for maintenance.
5. Install the Control Panel A making sure the shop air is connected to the automatic drain on the back of the panel.
6. Connect the air line from the bottom of the regulator (out) on the back of the panel to the top of the air loaded pressure reducing valve or control valve.
7. Connect the delivery pressure gauge (A) on the top of the panel to the downstream sensing line "T" pipe fitting as shown in Figure 1 - 1.

Control Panel Model A

Operation

Note: Be sure to follow the manufacturers' instructions for installation of the Pressure Reducing Valve.

1. Open the valve on the drip leg to allow the liquid drainer to drain any liquid at the inlet of Control Panel A.
2. Open the 1/4" ball valve to the filter and Control Panel A.
3. Using the Panel Regulator Knob (R) on the front of the panel, set the air loading pressure to the PRV.
4. Open the valve slowly on the outlet side of the PRV and also on the sensing line.
5. Open the inlet valve to the PRV slowly to avoid water hammer and potential diaphragm damage.
6. Adjust the air loading pressure until the desired outlet pressure is achieved on the Delivery Pressure Gauge (A).
7. After the entire system stabilizes, adjust again if required.

Control Panel
Model Y
INSTALLATION & OPERATING INSTRUCTIONS

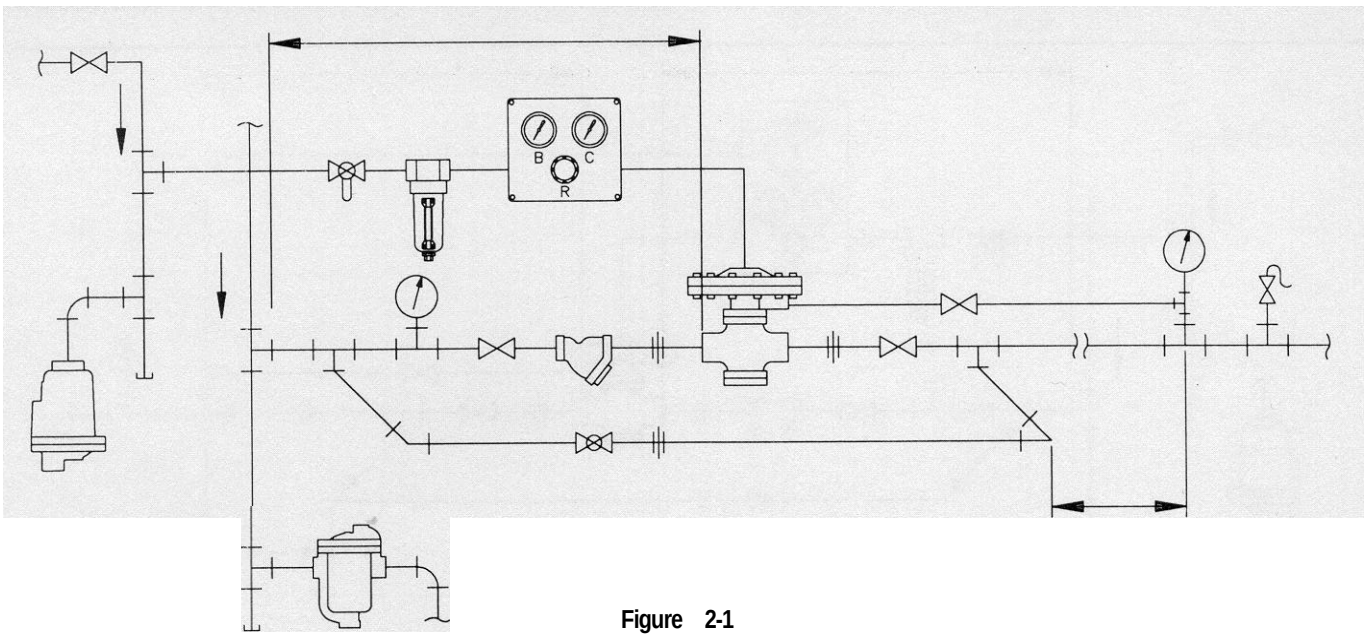

Figure 2-1

This bulletin should be used by experienced personnel as a guide to the installation of Control Panel Y. Selection or installation of equipment should always be accompanied by competent technical assistance. You are encouraged to contact Armstrong International, Inc. or its local sales representative for additional information.

Control Panel Model Y Installation

1. An Armstrong Liquid Drainer is recommended to drain liquid from the air supply line to the panel.
2. An Armstrong AF-10 filter with a 5 micro filter should be installed in the air line going to the Y-Panel to reduce the chance of dirt fouling the instrumentation regulator.
3. A 1/4" ball valve should be installed before the AF- 10 for ease of maintenance and troubleshooting.
4. Install the Control Panel Y in a location that is accessible for maintenance.
5. Install the Control Panel Y making sure the shop air is connected to the automatic drain on the back of the panel.
6. Connect the air line from the bottom of the regulator (out) on the back of the panel to the top of the air loaded pressure reducing valve or control valve.

Control Panel Model Y Operation

Note: Be sure to follow the manufacturers' instructions for installation of the Pressure Reducing Valve.

1. Open the valve on the drip leg to allow the liquid drainer to drain any liquid at the inlet of Control Panel Y.
2. Open the 1/4" ball valve to the filter and Control Panel Y.
3. Using the Panel Regulator Knob (R) on the front of the panel, set the air loading pressure to the PRV.
4. Open the valve slowly on the outlet side of the Pressure Reducing Valve and also on the sensing line.
5. Open the inlet valve to the PRV **slowly** to avoid water hammer and potential diaphragm damage.
6. Adjust the air loading pressure until the desired outlet pressure is achieved on the downstream pressure gauge.
7. After the system stabilizes, adjust again if required.