Model GP-2000

Setting Up 1/3-2/3 PRV Station
Installation, Operation and Maintenance

Warning: This bulletin should be used by experienced personnel as a guide to the installation and maintenance of the Armstrong GP-2000 1/3- 2/3 PRV Station. Selection or installation of equipment should always be accompanied by competent technical assistance. We encourage you to contact Armstrong or your local representative if further information is required.

- A 1/3-2/3 station is typically utilized when there are large fluctuations in the flow rate (lb/hr or kg/hr).
- Typically, a smaller valve is installed to handle smaller steam flows and a larger valve for larger steam flows.
- The advantage to this system is that once set, it requires no manual input during seasonal or demand changes.
- Typically the two valves are set-up with a two pound differential.
    - The valve that should open first should be set to the higher output (psig/barg)
    - The valve that should open second should be set to the lower output (psig/barg)
- A typical setting for 15 psig (1 barg) outlet might be:
    - Smaller valve: 16 psig (1.1 barg)
    - Larger valve: 14psig (0.9 barg)
- This will yield an outlet pressure very close to 15 psig (1 barg)
- *Before setting outlet pressure check that downstream sensing lines are properly installed sloping down and away from the pilot to guarantee proper drainage of condensate.*

Installation Instructions

Step 1: Isolate all PRVs using gate valves

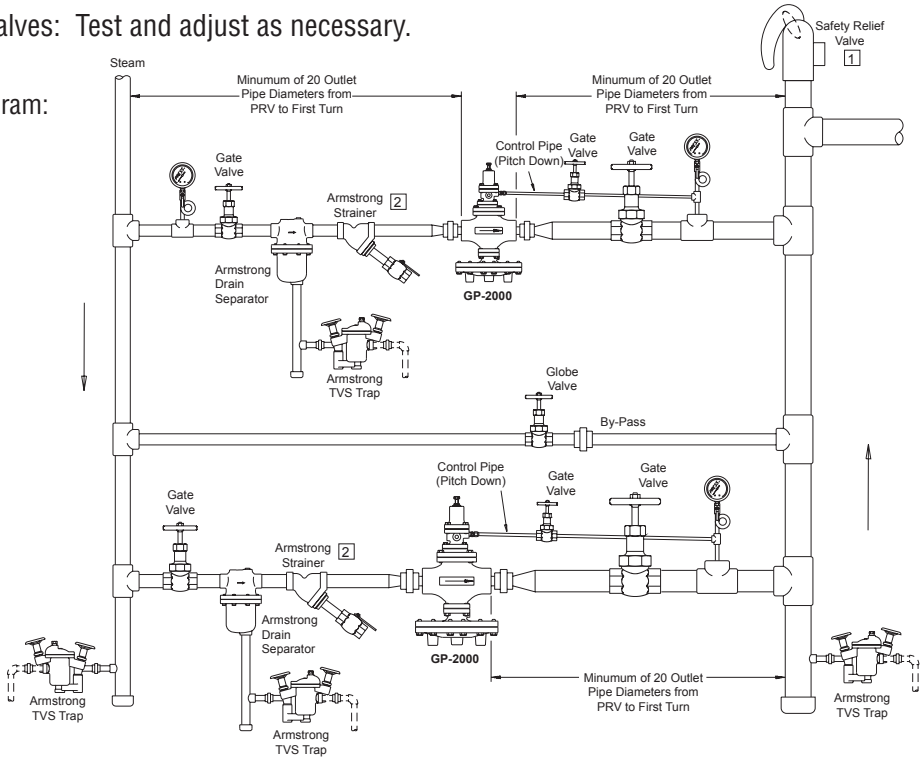
Step 2: Open gate valve to top PRV. Set outlet pressure.

Step 3: Re-Isolate all PRVs using gate valves

Step 4: Open gate valve to bottom PRV. Set outlet pressure.

Step 5: Open all gate valves: Test and adjust as necessary.

Typical plumbing diagram:



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