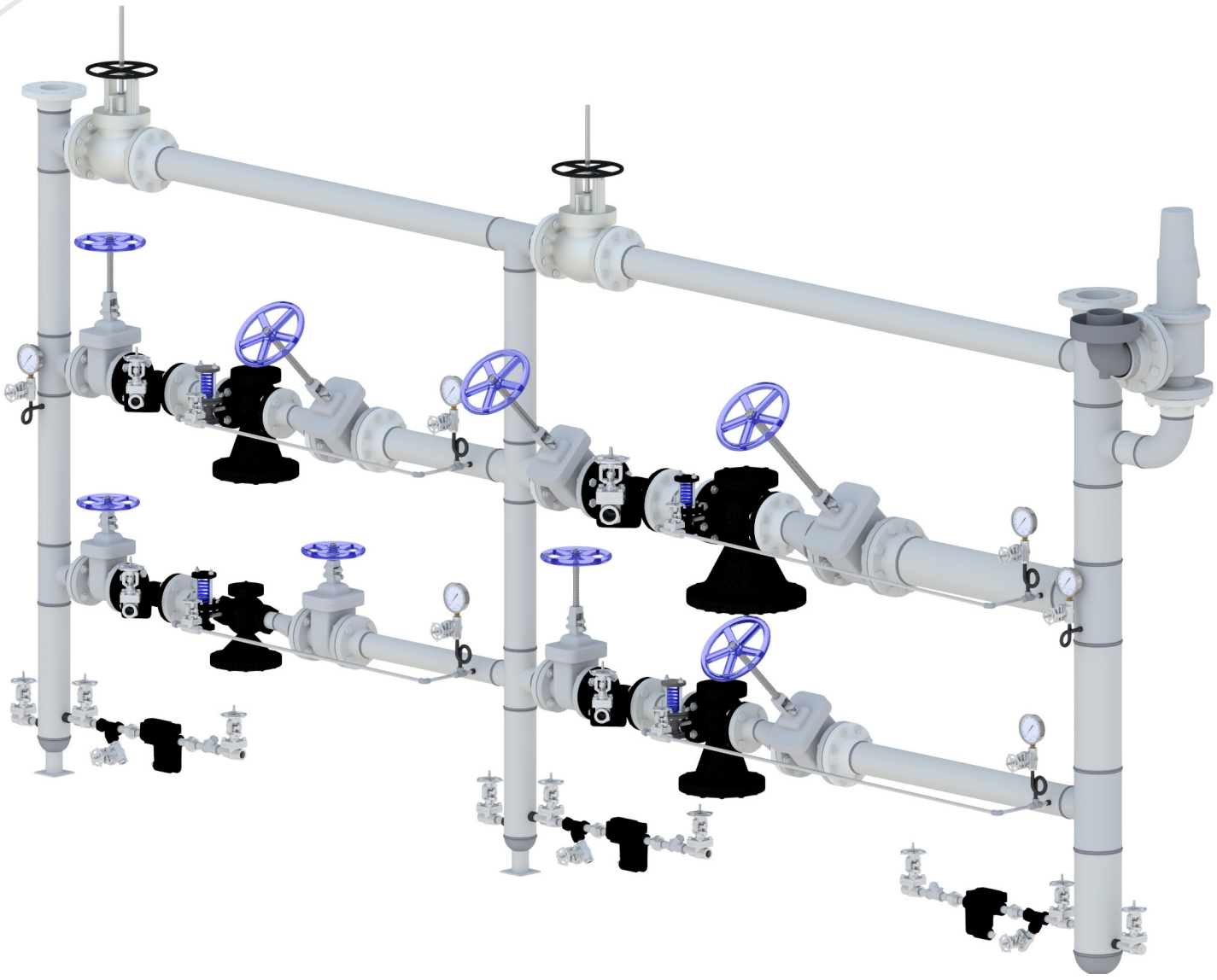
HYFAB

STEAM PRESSURE REDUCING VALVE STATIONS



**Thoughtfully Designed, Factory Built,
Tested, and Ready to Install,
Backed by 40 Years of Experience**

HYFAB STEAM PRV STATIONS

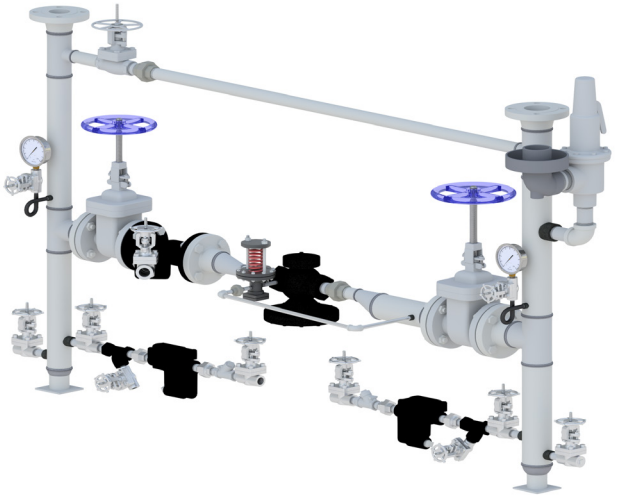
HYFAB's Steam PRV Station Design Considerations:

- The Total Load
- Variability of the Load
- Valve Life
- Valve Controllability
- Noise
- Overall Dimensions

PRV Station Designs

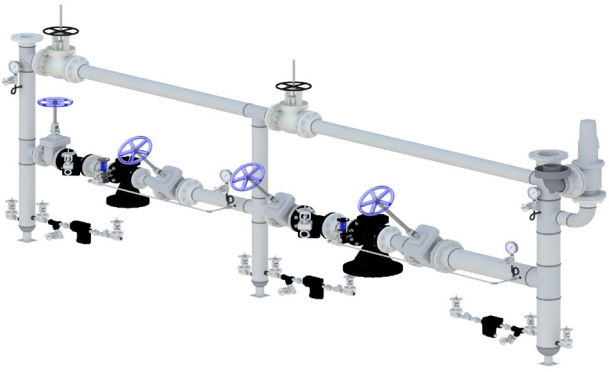
Single Stage Station

For pressure reductions not exceeding 100 psi* and low load variability.



Two Stage Series Station

For pressure reductions greater than 100 psi and low load variability. May also serve intermediate pressure loads.



*Smaller pressure reductions with using valves in series will result in longer valve life, more accurate pressure control and lower noise levels.

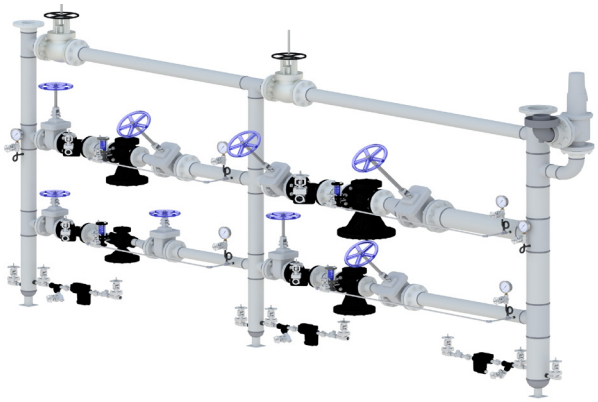
Single Stage Parallel Station

For total pressure reduction not exceeding 100 psi and loads that vary widely due to seasonal changes or process requirements. Uses two PRVs in parallel, typically selected for approximately 1/3 and 2/3 of the total load.



Two Stage Parallel Station

For pressure reduction greater than 100 psi and highly variable loads. Also accommodates intermediate pressure loads, if required. Parallel valves are typically selected for approximately 1/3 and 2/3 of the total load.



Standard Construction

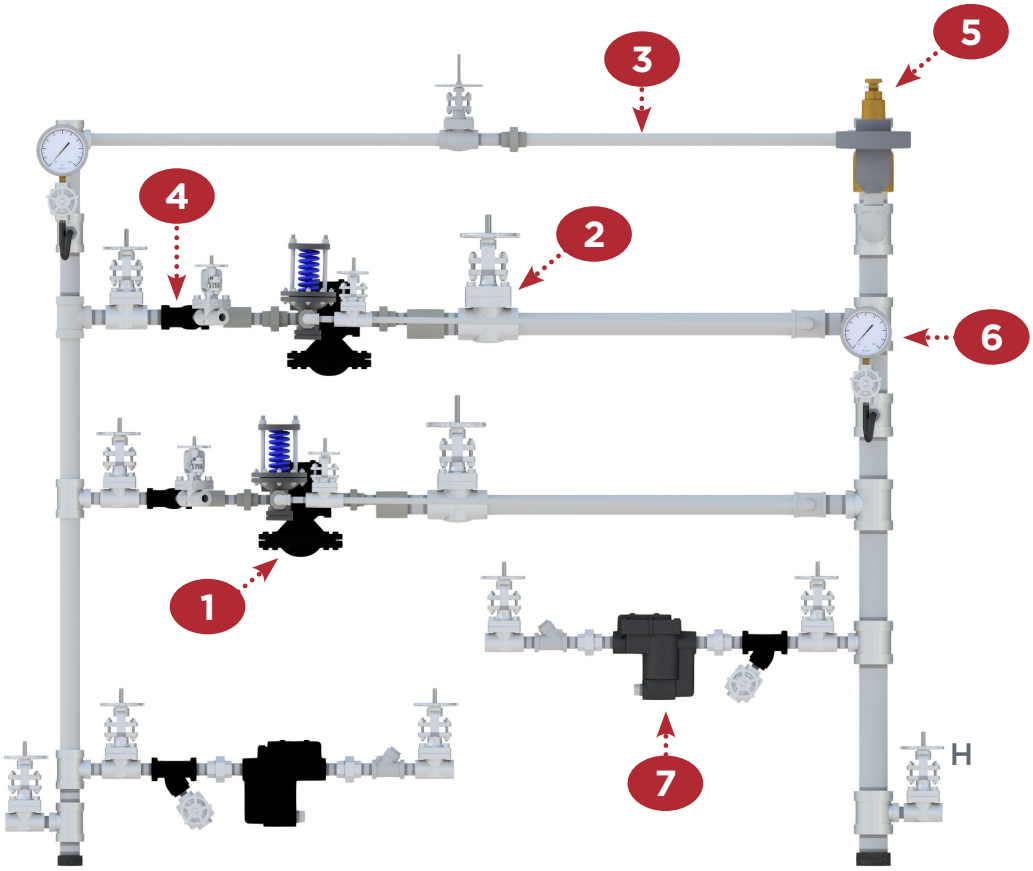
- Fabricated of ASTM A53, type S (seamless) pipe and nipples.
- All welding is performed by ASME Section IX certified welders.
- Most stations have floor support feet to be supplemented with field support for connecting piping.
- High quality spiral wound gaskets with appropriate fill are used on all flanged connections.
- Every PRV station is pressure tested prior to shipment to ensure leak free operation.

Options

- Special Materials - Ductile iron or cast steel regulators.
- Noise Attenuation – Muffling orifices, sound attenuators, insulation blankets
- Pilots for additional functions – Temperature control, remote shut-off, remotely adjustable setpoint
- Separators – When moisture content is of significant concern.

The HYFAB Difference

STEAM PRESSURE REDUCING VALVE STATIONS



1. Main Valves properly sized for the best turndown.
2. Steel isolation valves.
3. Bypass with globe valve.
4. Strainers selected with elements appropriate for their service and positioned to minimize condensate accumulation.
5. Pressure relief safety valve with drip pan elbow.
6. Compound pressure gauges installed with a siphon and isolation valve.
7. Drip trap assembly.

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