



Case Study: Flanged Root Valves

Saving Time, Money, Weight & Space with Slimline Monoflange Valves

Peerless; Buffalo, NY
Kevin Renaud; December 2020

OVERVIEW:

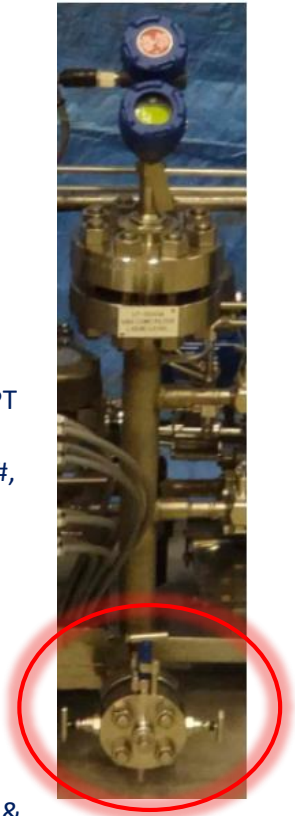
A global rotating equipment manufacturer approached Peerless with a request for Root, Drain and Vent valves. Typically, much of this can be accomplished with small & affordable Class 800 SW x NPT Gate Valves, however, this particular project was a higher-pressure system and their end user specification called for “flanged only” valve connections. They were required to source Class 1500#, A182-F316SS Flanged Gate Valves.



ACTIONS / RECOMMENDATIONS:

During the review and quotation process, Peerless approached the Project Manager to inquire if there were any concerns with pressure drop in the application. After learning this was of no concern, the Slimline version of the Oliver Monoflange valve was suggested as an alternative solution. This Single Block modular valve features a very small footprint, has a needle-type shut off and includes Outside Screw & Yoke (OS&Y) for inline packing adjustment.

(Shown at left in Double Block & Bleed, Flange x NPT version; also available Flange x Flange)



OUTCOMES:

Customer met with their end user to discuss potential benefits of using the Single Block Slimline Valve. They agreed to move forward with this solution and were able to realize the following benefits:

- **50% Reduction in Cost**
- **80% Shorter End-to-End**
- **63% Reduction in Weight**
- **Time & Labor savings through decreased need for installing bulky supports / gusset material**

1" 1500# Slimline Valve	1" 1500# Gate Valve
Weight: 13 lbs	Weight: 35 lbs
Length: 2"	Length: 10"
~Cost: x	~Cost: 2x

About Peerless:

Peerless is a manufacturer of metal hose assemblies and distributor of valves, specialized fittings and instrumentation. Located in Buffalo, NY they are the Northeastern US Master Distributor for Oliver Valves. For more information, call (800) 234-3033 or email at info@peerless-inc.com.