

Speaking of steam...



And we were speaking of steam, weren't we?

Milwaukee Valve HP butterfly valves are called HP (High Performance) for a reason, but even High Performance has limitations. The cold working pressure for Milwaukee Valve HPs is rated to 275-285 psi for Class 150, and 720-740 psi for Class 300. But, when managing a steam line, the valve is rated at 150 psi for on/off applications, and 50 psi when used in modulating service.

When operating in modulating services, **DO NOT** throttle steam in the near-closed position!



For best results and to avoid damage to the valve, HP throttling applications should be limited to 50 psi and the disc should be in between 30 and 70 degrees open. Due to the characteristics of steam, if a disc is positioned less than 30 degrees open, it creates high velocity flow in the area between the disc and the seat. This high velocity steam can pull part of the seat out, which gets crinkled

and damaged when the operator tries to close the valve.

This is what happened in the installations above. To make it worse for the photo on the left, the customer said he had been throttling 130 psi steam in a near-closed position.

To learn more about high performance butterfly valves, and download spec sheets or access 3D CAD drawings and BIM models, visit our website at

www.MilwaukeeValve.com.

While there, you'll also find downloadable product literature, and Milwaukee Valve representative contact information to help you with application questions on any Milwaukee Valve products.



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