

Steam Valves

Select Siemens for all your valve needs

Siemens Building Technologies delivers when the heat is on with the broadest range of valves available for both low and high pressure steam applications. "Our valves can handle applications from small terminal units to central plant equipment and campus scenarios", states Chris Baldwin, Valve Product Manager.

For individual retrofits or an entire system solution, Siemens quality steam valves are available in line sizes from 1/2 to 6" with options not available from other manufacturers. Stresses Baldwin, "We have the broadest range of any manufacturer with bronze trim for steam up to 15 psi and stainless steel trim that handles up to 100 psi. Now, you can meet the high tolerances and robust performance required for high temperature steam applications and single source all your valve needs from one manufacturer."

Industrial performance, commercial price

Designed and manufactured with solid bronze or cast-iron bodies, Siemens Flowrite™ and Powermite Valve lines deliver industrial features and performance at a commercial price. Siemens valves are available with a linear flow characteristic that is excellent for steam applications, providing accurate, safe control of steam. The all metal plug and seating surfaces ensure a tight shut-off every time – with no rubber or plastic parts to wear out or develop leakage paths. Siemens steam valves meet rigorous testing and performance criteria and have the highest standards in the industry today with an ANSI Class IV Leakage Rating (0.01 percent of flow).

Packing rated for optimal performance

"Siemens has optimized the packing in our valves to meet the specific temperature requirements of the media," Baldwin explains. "EPDM packing is used for temperatures up to 250 degrees Fahrenheit in hot water and low pressure steam applications, and Teflon® packing is used for temperatures up to 337



degrees Fahrenheit in high temperature steam applications up to 100 psi. Each material is ideally suited for the specific temperature range of the application."

Siemens is also the only manufacturer that provides packing cartridges for easy, drop-in replacement of the valve packing. Simply unscrew the packing cartridge and slide in a new one. In minutes, you are back in control – without pulling out the entire valve or rebuilding the packing yourself. If needed, the entire stem and plug assembly can also be rebuilt with a replacement kit for a lower cost solution – without taking the valve out of the line, ensuring minimum system downtime.

Fail-safe for steam

The Siemens Flowrite Electro-hydraulic Spring Return Actuators have the power you need to close-off against high pressure steam. Designed with the ability to fail-safe normally open or closed valves in the event of a power failure, these actuators provide the most power in the industry today for reliable, safe control of steam.

white paper

Siemens Globe Valve Selection for Steam Applications

Brand Name	Powermite	Flowrite
Line Size	1/2 to 1-1/2"	1/2 to 6"
Body Style	NPT/Unions Brass or Stainless Steel Trim ANSI Class 250	NPT/Unions Bronze or Stainless Steel Trim ANSI Class 125 or 250
Close-off up to	160 psi	250 psi
Rangeability	100:1	100:1
Actuation	Electronic/Pneumatic	Electronic/Pneumatic
Media	Hot water/Chilled water Steam up to 15 psi	Hot water/Chilled water Steam up to 100 psi

Designed to direct couple to any compatible Siemens valve body, simply connect and go. No tools are required for installation or replacement. "All Siemens actuators feature manual override that allows you to manually crank the valve open or closed before power is available for easy commissioning and service," adds Baldwin. Other quality Siemens actuators are also available to meet your specific application needs.

Quality features, better performance

According to Baldwin, "Only Siemens Flowrite valves deliver 100,000 full strokes with over 1,000,000 repositions and provide the most force in a small package with proven performance over time. Especially for steam applications, it is critical to have tight, secure control with tight close-off and no leaks. You can have confidence in Siemens."

More support better service

Siemens puts quality first. All Siemens valves and valve actuators are 100% factory-tested for quality and reliability in our state-of-the-art, ISO9002 manufacturing facility.

Siemens Building Technologies backs their products with a dedicated technical support and service department. From selection and sizing to troubleshooting and support, the Customer Care Center can help.

Delivery is available next day, if needed, with three day delivery standard. All Siemens valve assemblies can be ordered factory assembled and complimentary tagging for your job site is included.

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