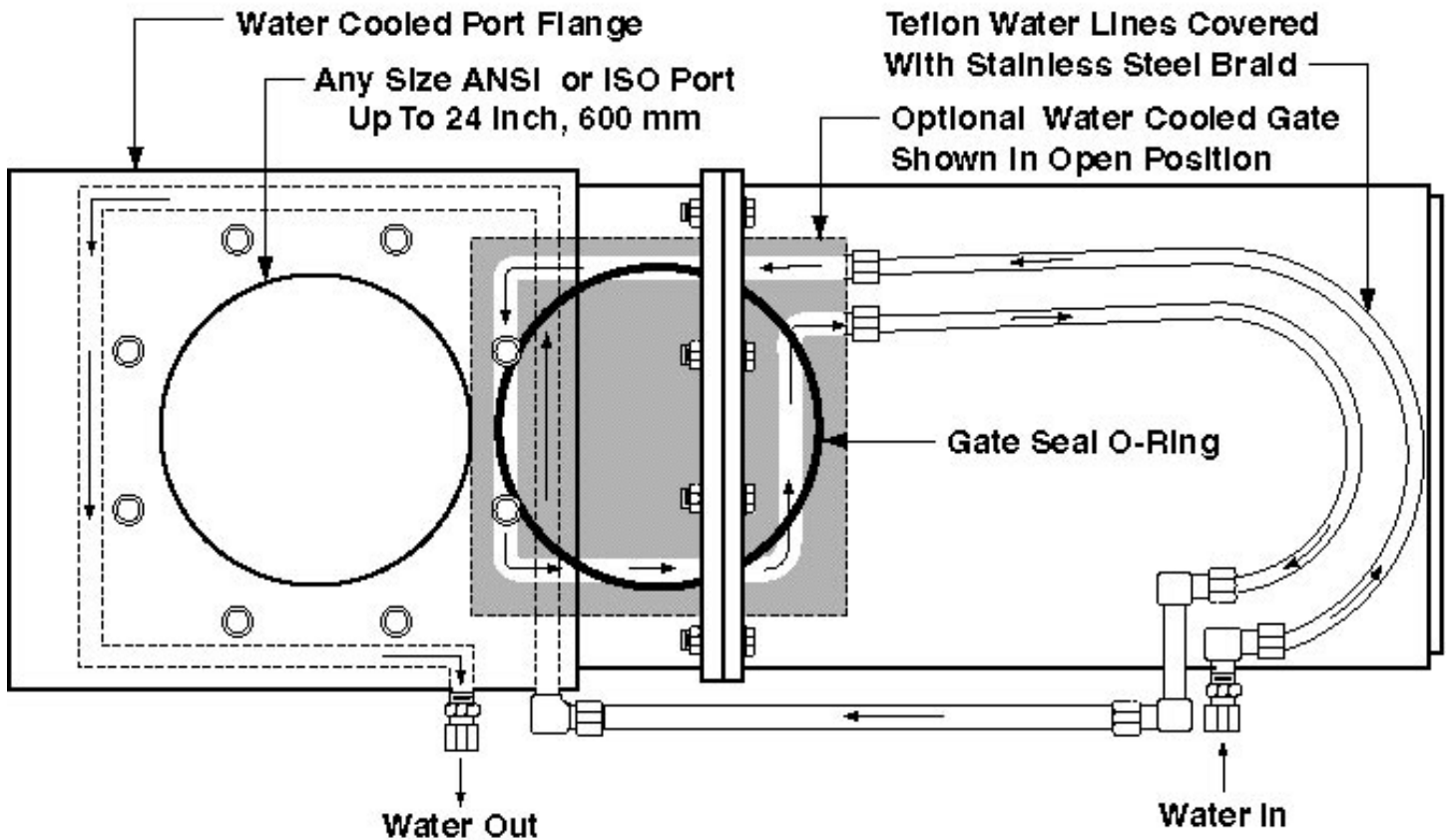


As the world's leading supplier of aluminum vacuum valves and weldments Vacuum Research can provide process solutions that are just not practical with poor conductivity materials such as stainless steel. We have more than 50 years experience with aluminum valves on systems that include temperature, pressure, hazardous environments and of course, high vacuum. Water cooled valves in both gate and poppet styles are available with ANSI flanges up to 24 inches and with ISO flanges up to 630 mm. Highly efficient cooling water circuits with low ΔP and high overall 'u' maximize thermal transfer and minimize cooling water consumption. In addition to water cooling all valve styles can be provided with thermal radiation shields on the Gate.

- Port Sizes from 2 to 24 Inch, 63 to 630 mm
- ANSI, ISO, JIS, Conflat or Custom Flanges
- Electric Motor or Electro-Pneumatic Actuator
- Available for DIV. 1, grp., B, C, D, E, F, Environments
- All Aluminum For Maximum Thermal Exchange
- High Efficiency Internal Coolant Channels
- Helium Leak Tight to Better Than 10^{-9} scc/sec
- Vacuum/Pressure From 10^{-9} Torr To 10 Atmos.
- Water Cooled Gate and Body Flanges Available



Ordering Information

Water Cooled Valves are always custom-built to provide the features required for each application, however, the starting place is our standard LPWA, or End-Operated Valves described in this catalog.

Select the valve style and size that fits your needs and we will send a drawing showing the water cooling and radiation shield needed.

Also available are the many standard options described in the accessories section of this catalog. The most popular of these options are position indicators for remote indication of the valve position, and gauge or roughing ports with NW style flanges. Special solenoids and position indicators for hazardous areas and combinations of ISO, ANSI and Conflat® flanges are also available.