

Sustainable Products for Data Centers

“Triple Play” of Sustainability

Safety & Regulation,
Water Conservation,
& Energy Efficiency.

By prioritizing these three elements as a “triple-play” strategy, we are dedicated to creating products that not only ensure the safe and proper management of water but also reduce our impact on the environment.



SR – SAFETY & REGULATION

These products ensure the health and safety of inhabitants of homes, commercial buildings, and industrial facilities. They also ensure that buildings adhere to local and federal regulations.



WC – WATER CONSERVATION

These products help our customers conserve water and reduce waste in many ways, including: detecting leaks, preventing wasted water and contamination in the municipal water supply, reducing the amount of water a facility uses, and more.



EE – ENERGY EFFICIENCY:

These products help our customers improve the efficiency and sustainability of the energy usage in their buildings with finite control of the thermostat, reducing fluctuations in heating, making water flow more efficiently, and more.

• Automatic Control Valves

- SR: Regulate the flow of liquid or gas and can be used to shut off the flow of water in the case of contamination.
- WC: Regulate the flow of liquid or gas and can be used to shut off the flow of water in the case of a leak.

• Backflow Preventers

- WC: Designed to prevent backflow of non-health hazard substances from being pumped or siphoned into the potable water supply, avoiding wasted water due to contamination.
- SR: Designed to prevent backflow of non-health hazard substances from being pumped or siphoned into the potable water supply, avoiding dangerous contamination.

• Balancing Valves

- SR: Ensure that heat is properly distributed through a pipeline system, avoiding both underheating and overheating.
- EE: Maintain flow conditions so that control valves function properly in HVAC systems, because unbalanced systems can produce wide temperature variations among rooms and can increase energy needs.

• Ball Valves

- SR: Shut off the flow of water in the case of contamination.
- WC: Shut off the flow of water in the case of a leak.

• Butterfly Valves

- SR: Shut off the flow of water in the case of contamination.
- WC: Shut off the flow of water in the case of a leak.

• Check Valves

- SR: Allow liquid or gas to flow in only one direction, preventing reverse flow which could lead to contamination.
- WC: Can prevent excess water from leaking out of pipes in the event of a break.

• Commercial Rain Harvesting

- WC: RainCycle™ Rainwater Harvesting system easily collects rooftop rainwater and then pre-filters, stores, processes and distributes it as non-potable water for such end uses as restrooms, irrigation, and cooling tower water makeup.

• Commercial Scale Prevention

- SR: Breaks down minerals in pipes, eliminating scale buildup and avoiding clogging that could lead to burst pipes and damaged appliances.
- WC: Eliminate scale buildup without the need to backwash and discharge water.
- EE: Does not need electricity to operate, unlike traditional scale prevention methods.

• Commercial Water Conditioning & Water Filtration

- SR: Watts® Big Bubba® filter cartridges and housings are an ideal choice for the reduction of sediment, chlorine, and other contaminants in water. They are suitable for residential and commercial applications with peak flow rates up to 150 gpm (567 lpm) for sediment reduction and peak flow rates up to 15 gpm (56 lpm) for chlorine reduction. If higher flow rates are required, multiple housings can be installed in parallel.

• Deluge Valves

- SR: Open on demand to provide water flow to fire protection sprinkler systems.

• Detector Check Valves

- SR: Designed to prevent backflow of non-health hazard substances from being pumped or siphoned into the potable water supply, avoiding dangerous contamination.
- WC: Designed to prevent backflow of non-health hazard substances from being pumped or siphoned into the potable water supply, avoiding wasted water due to contamination.

• Dielectric Unions

- SR: Prevent the flow of galvanic current (an electric current) and stray current (DC current) passing from one dissimilar metal to another. This helps avoid corrosion in the piping system which would lead to premature deterioration of the system.

• Differential Pressure Monitoring for Wye Strainers

- SR, EE: Differential Pressure Monitoring systems contain sensors that are triggered when a strainer screen becomes clogged by foreign particles, alerting the user that action is required.

- **Electric Actuators** 🍷 🔍
 - SR: Dedicated to control systems, reliable and compatible with all valves, allowing a total connectivity and a safe management of your networks by enabling a quick shut off of valves when needed.
 - WC: Shut off valves and prevent water loss in the case of a leak.
- **Flood Protection for RPZ Backflow Preventers** 🍷 🔍
 - WC: Monitor backflow preventers and send a real time alert when a discharge is detected. This reduces water as discharge can flow at 500/ and go unnoticed for days.
 - SR: Backflow discharge can also lead to water damage and potential safety hazards, which the flood protection system helps mitigate.
- **Flood Prevention for Water Heaters** 🍷
 - SR: Detect presence of water on floor or in drain pan beneath a water heater, thereby protecting homes and businesses from damage due to a water heater leak.
- **Fire Strainers** 🍷 🌱
 - SR: Remove debris and other material from a fluid system. Helps extend the life of equipment and appliances. Helps avoid burst pipes or other potential safety issues.
 - EE: Help avoid the potential for clogging from debris. A partially clogged piping system requires additional energy to operate properly.
- **Flow Measurement Valves** 🔍
 - WC: Flow Measurement Valves perform accurate flow measurements, even in very low flow ranges, allowing for the user to quickly determine if there has been a change in the rate of flow. The valve contains a positive shutoff to shut off the flow of water in the case of a leak.
- **Fixture Carriers** 🍷
 - SR: Ensure safe and secure support of bathroom fixtures, avoiding the risk of injury from falling fixtures.
- **Floor & Area Drains** 🍷
 - SR: Ensure proper floor drainage, avoiding potential slip and fall hazards from water on the floor.
- **Gate Valves** 🍷
 - SR: Shut off the flow of water in the case of contamination.
- **Gear Operated Ball Valves** 🍷 🔍
 - SR: Can be used to shut off the flow of water in the case of contamination.
 - WC: Can be used to shut off the flow of water in the case of a leak.
- **Mixing Valves** 🍷
 - SR: Designed to blend hot water with cold water to ensure a constant, safe outlet temperature and avoid scalding, thermal shock, or legionella.
- **Pressure Reducing Valves** 🍷 🔍 🌱
 - SR: Reduce the water pressure entering a system. This leads to reducing the breakdown of appliances, and avoids leaks to water heaters, erosion or banging water pipes.
 - WC: Reduce the water pressure thus reducing the amount of water used. The higher the water pressure, the greater the amount of water that is used.
 - EE: Reduce the amount of energy needed to heat water by reducing the amount of water used. The EPA estimates that 30% of the water used in households is heated.
- **Pressure Relief Valves** 🍷
 - SR: Protect against excessive pressure conditions. In a closed system, water has nowhere to go and pressure can increase to a potentially dangerous condition.
- **Pure Water Process Pipe & Fittings** 🍷
 - SR: Allow you to safely process pure water and dispose of hazardous chemical and acid byproducts.
- **Pure Water Process Valves** 🍷
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- **Relief Valves** 🍷
 - SR: Protect against excessive pressure conditions. In a closed system, water has nowhere to go and pressure can increase to a potentially dangerous condition.
- **Roof Drains** 🍷
 - SR: Ensure proper roof drainage, avoiding roof damage and potential injury for occupants.
- **Suction Diffusers (Strainer)** 🍷 🌱
 - SR: Remove debris and other material from a fluid system. Helps extend the life of equipment and appliances. Helps avoid burst pipes or other potential safety issues.
 - EE: Help avoid the potential for clogging from debris. A partially clogged piping system requires additional energy to operate properly.
- **Trench Drains** 🍷
 - SR: Trench drains ensure proper ground drainage, avoiding flooding and water contamination
- **Triple Duty Valves** 🍷 🔍
 - SR: Allow liquid or gas to flow in only one direction and can be used to shut off the flow water in the case of contamination.
 - WC: Allow liquid or gas to flow in only one direction and can be used to shut off the flow water in the case of leak.
- **Waste Pipe & Fittings** 🍷 🔍 🌱
 - SR: Designed for dependable chemical resistance, ease of installation, joint strength, and leak-free drainage systems.
 - WC: Ensure that water exits the piping system at the desired temperature, reducing the need to unnecessarily run water to heat it up.
 - EE: Provide proper temperature control, reducing the need to reheat water and use unnecessary energy.
- **Water Level & Temperature Detection for Flat Roofs** 🍷
 - SR: Detect water levels and temperatures across the rooftop and immediately alert you as soon as drain clogging, ponding or other performance problems occur allowing for increased safety, more predictable maintenance and reduced costs.
- **Wired and Wireless Water Leak Detection** 🔍
 - WC: Detect and prevent leaks, helping prevent against water loss and costly water damage.
- **Wye Strainer** 🍷 🌱
 - SR: Remove debris and other material from a fluid system. Helps extend the life of equipment and appliances. Helps avoid burst pipes or other potential safety issues.
 - EE: Help avoid the potential for clogging from debris. A partially clogged piping system requires additional energy to operate properly.



Learn More About Watts
Commitment to Sustainability



Learn More About
Data Center Products

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