

# Sustainable Products for Semiconductor

## “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.

## Supply: Flow Control

- **Ball Valves, 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.
- **Basket Strainers, Duplex Basket-Type Strainers Suction Diffusor, Wye 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.
- **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.

## Process: Clean Room High-Purity

- **Ultra Pure Pipe, Fittings and Valves** 
  - SR: Watts Ultra High-Purity Pipe, Fittings, and Valves do not contain plasticizers, pigments or other additives that could potentially contaminate liquids. This allows the products to safely transport deionized, distilled water or other liquids

- **Ultra Pure Pressure Regulators**   
  - SR: Reduce 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 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.

## Drainage: Chemical Waste

- **Chemical Waste Drainage Piping Systems** 
  - SR: Convey corrosive effluent to pH neutralization tanks. Unrivaled in protecting sewer systems and the environment. Orion pH monitoring systems then ensure neutralization tank contents reach an acceptable pH level before entering public drainage systems.



[Learn More About Watts  
Commitment to Sustainability](#)



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