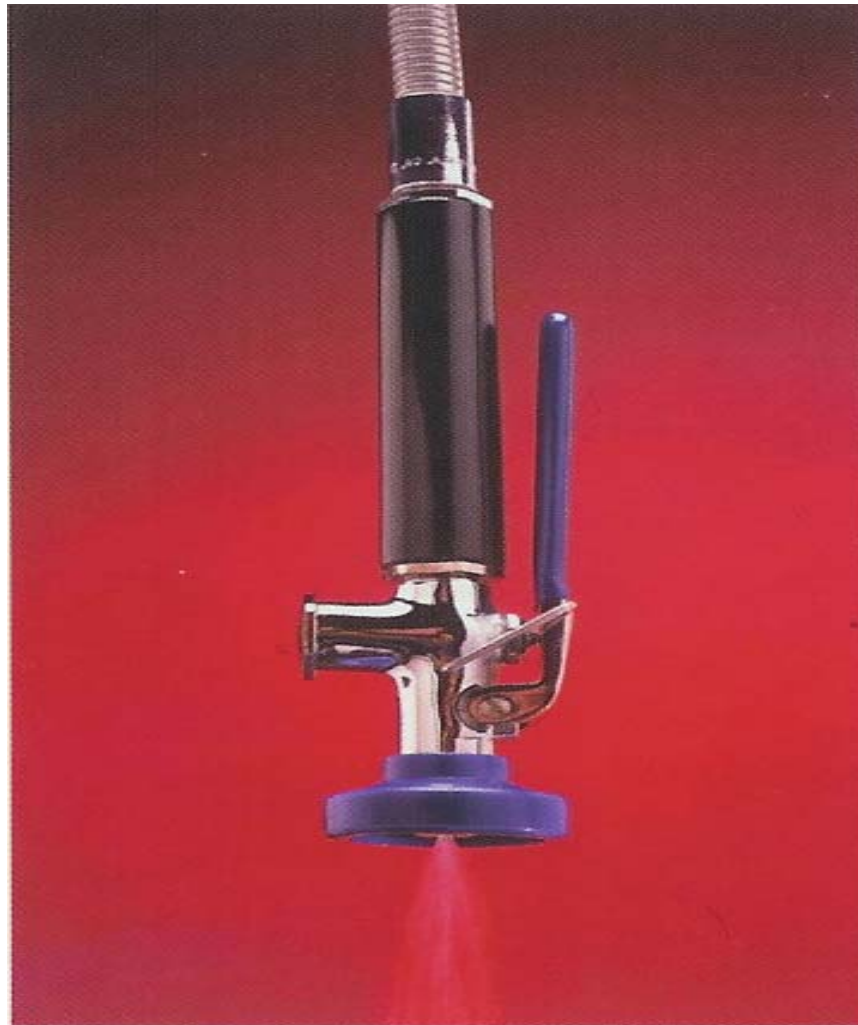


Dishwashing Pre-Rinse Valve

September 15, 2004



Pre-Rinse Spray Valve

Measure Details

- Old spray valves are retrofit with new high-velocity valves
- Reduction in flow rate and water usage reduces energy consumption

	GPM	Gallons per Day	Gallons per Year
Pre-Usage	3.05	131.1	47,851.5
Post-Usage	1.11	47.1	17,410.5

Pre-Rinse Spray Valve

Savings Details

- Gas Water Heater
 - Annual therm savings = 228
 - Annual kWh savings = 76
- Electric Water Heater
 - Annual kWh savings = 4,911
- Non-Energy Benefits = \$274
 - Water and sewer savings
- Measure life = 5 yrs

Pre-Rinse Spray Valve

Implementation

- Managed by Building Efficiency Program
- Direct install - \$180 approximate full cost
- Solicit proposals from two market leaders
 - Honeywell
 - SBW Consulting
- Collaborate with Oregon Restaurant Association
- Collaborate with water districts
- Aim to launch measure by November 1st