



FAUCET FLOW CONTROLS AND SHOWERHEADS

Reduce Water Consumption By Up To 90%

WHAT IS OMNI®?

CONSERVATION, QUALITY, PERFORMANCE.



At the beginning of the movement for water and energy conservation; Omni® developed a line of flow controls to meet this need. Constantly changing local, state, and national codes are calling for preservation of these endangered resources and Omni® is meeting and exceeding the challenge.

With our patented Laminar Flow we can direct the water stream through precisely engineered and perforated plates which creates a crystal clear, solid stream of water that has improved wetting ability and no splash.

Omni® provides savings in utilities costs by providing preset flow rates and low maintenance costs. The products are ideal for many commercial applications; schools, hospitals, hospitality and institutions.

Laminar Flow Is Achieved By:

Arresting the kinetic energy at the faucet's discharge point down to less than 4 ft. per sec.

Directing water through precisely engineered and perforated plates within the faucet flow control

Laminar Flow Means:

Fluid particles move in parallel layers

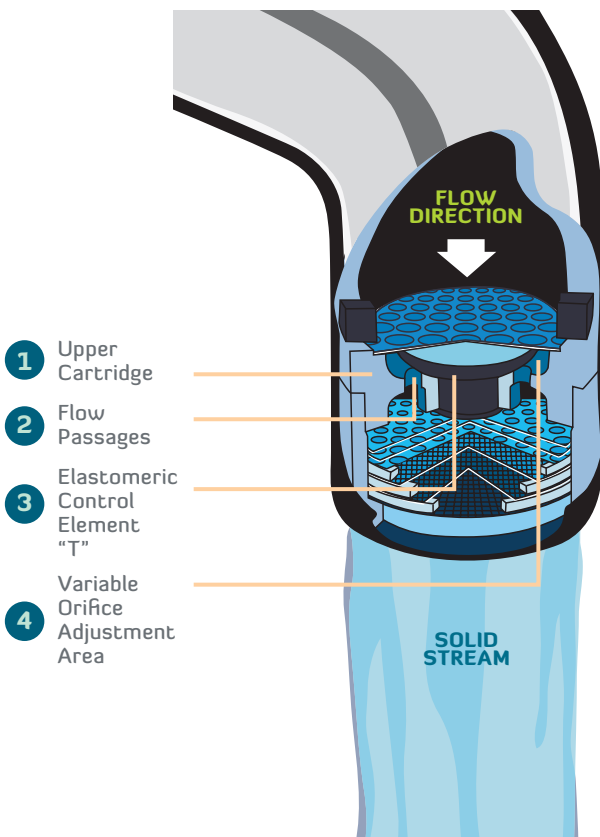
Each layer has a constant velocity and is in relative motion to its neighbor

Very low flow velocity in comparison to aerated streams

A crystal clear, solid stream of water

No splash, improved wetting ability, excellent cohesion, softness, low velocity

SPOUT ASSEMBLY



A VITAL SERVICE Now and in the Future

- Omni® products reduce the water consumed and energy required to heat, pump and discharge water.
- LEED and changing codes are mandating the use of Omni's high quality, water and energy savings products.
- Most Omni products are lead-free and meet all codes

TRUE PRESSURE COMPENSATION

Omni® Product's Pressure Compensating Flow Controls maintain a constant uniform flow over a wide range of inlet pressures. As shown by the diagram, this is accomplished by channeling water down the inside walls of the Upper Cartridge Housing (1) to the Flow Passages (2). The space between the "T" Elastomeric Control Element (3) and the base of the Upper Cartridge Housing creates the Variable Orifice Adjustment Area (4).

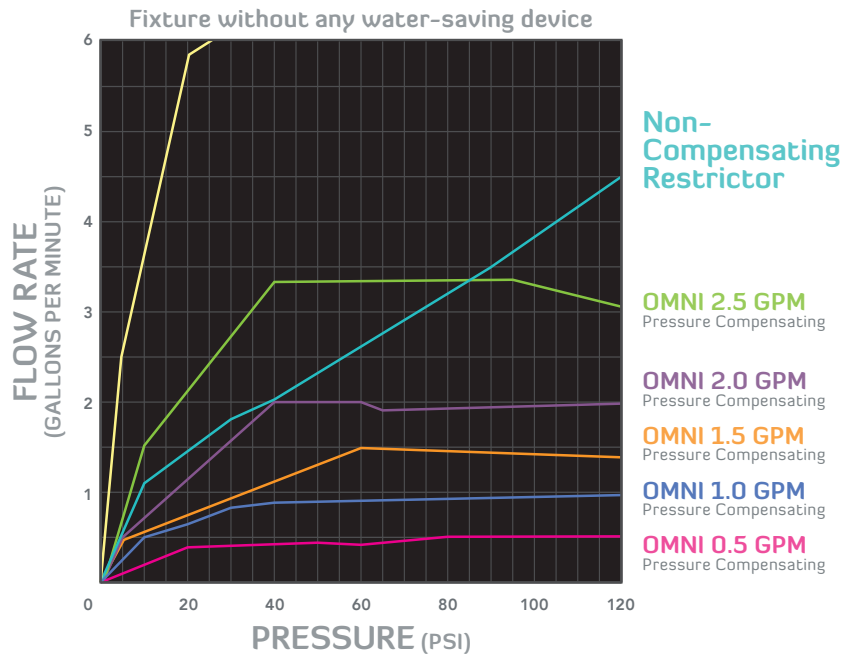
Omni® True Pressure Compensation results from the Elastomeric Control Element (T) deflecting upward and downward in response to changes in the inlet pressure. This alters the size of the Orifice Adjustment Area. For example, as the inlet pressure increases, the Variable Orifice Adjustment Area decreases to provide the set predetermined flow rate.

WATER SAVINGS

Faucets installed with OMNI® Flow Controls benefit from an exclusive, soft-to-the-touch Laminar Flow. This crystal clear solid stream of water completely coats the surface area. It feels like more water, but in reality, **uses up to 90% less.**



Omni® vs. Aerator



WATER USED

PLUMBING FIXTURE	With Aerator	With OMNI® Flow Control	% of Savings
Half Bath / Public Restroom	2.5 GPM	0.5 GPM	83-90 %
Lavatory Sink	2.5 GPM	1.0 GPM	62-80%
Lavatory Sink	2.5 GPM	1.5 GPM	45-70 %
Kitchen Bar Sink	2-3 GPM	2.0 GPM	27-60 %
Shower	3-4 GPM	2.5 GPM	27-60 %

FAUCET FLOW CONTROL



SERIES 200



SERIES 400



SERIES 900



ACCESSORIES

SHOWERHEADS

HOSE BIBS



SERIES 710 / 792



SERIES 752



SERIES 810



OMNI®

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