

# I-CON® MOMENTUM® Flush Valve Third Party Conformance Testing



Performed by the ASSE/ASME approved testing lab, Professional Service Industries, Inc.

**Results Show Proven Water Conservation of At Least 54%**  
By reducing an existing 3.5 gallon flush to 1.6 gallons and passing tests

### Testing Fixture:

Standard 3.5 gallon per flush stainless steel toilet using the I-CON® MOMENTUM® flush valve.

### Test Procedure:

Based on ASME A112.19.6 Standard- Hydraulic Performance Requirements for Water Closets and Urinals

### REMOVAL OF SOLID - 7.1.3.1 BALL TEST:

100 ¾" balls were dropped into the toilet bowl and flushed at 60 psi by the I-CON® MOMENTUM® flush valve.  
Requirement: Seventy-five (75) balls per initial flush shall be flushed through the bowl based on the average of the three initial flushes.

Number Flushed Out (of 100)	Number Remaining in Bowl	Number Remaining In Trap
92	4	4
98	0	2
94	3	3
<b>Average:</b> 94.7	2.3	3

**RESULT: PASS**

### REMOVAL OF SOLID - 7.1.3.2 GRANULE TEST:

Two thousand (2500) granules were placed into the bowl and flushed at 60 psi by the I-CON® MOMENTUM® flush valve.

Requirement: No more than one hundred twenty-five (125) granules shall be visible in the bowl after each initial flush.

Number Granules Remaining in Bowl (out of 2500)
82
59
74
<b>Average:</b> 71.7

**RESULT: PASS**

### WATER CONSUMPTION - 7.1.6.1 TOTAL FLUSH VOLUME:

Total Flow Gallons (three test runs performed): 1.54; 1.52; 1.51

Average Flush Volume: **1.52 gallons** (from a 3.5 gallon per flush toilet)

**RESULT : PASS**