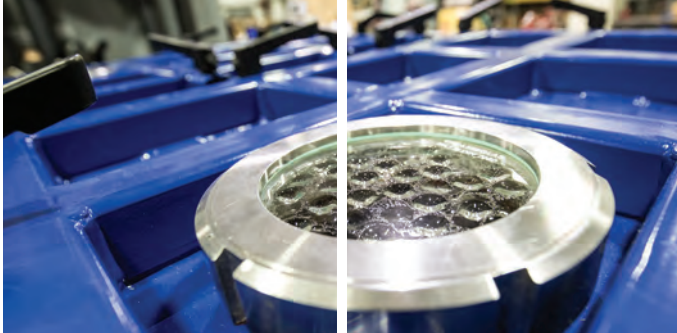
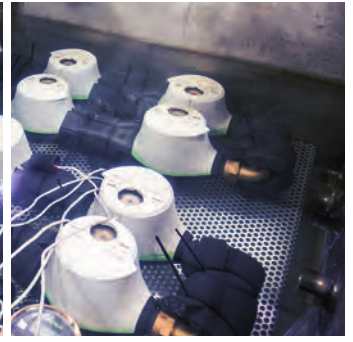


ENVIRONMENTAL CHAMBER



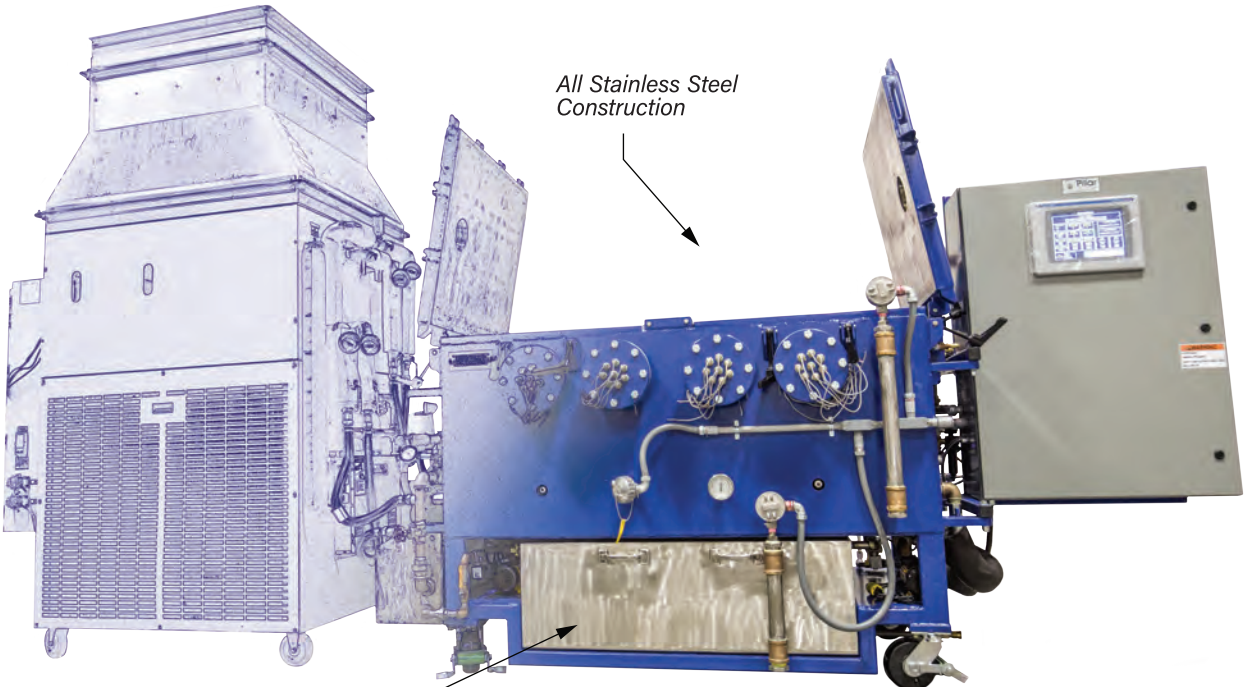
Water Meter Environmental Test Stand:

- Runs up to 30 ³/₄" Water Meters under Varying Extreme Environmental Conditions
- Tests Simulate 10-20 Years of Service in a Few Months
- Pumps Water through Meters at a Constant 50-60°F
- Submerges Meters in a Fresh or Salt Water Bath at a Temperature Range of 40-140°F
- Ramps Tank Pressure from -5PSI to +14.9PSI



SPECS

12'3"



5'4"

Unique Production Challenges:

- Designing Square Chamber for 14.9 PSI
- Limited Space at Client Location Required Lifting the Chamber, 10-Ton Chiller, and Exhaust Fan into Small Area

DATE: **February 2016**

- TECH USED:
- 10 Ton Process Chiller and 36kW of Electric Heat
 - Temperature, Pressure, and Level Data is Collected by PLC and Exported to a Database for Processing and Review
 - Allen Bradley CompactLogix PLC-Based Control System
 - Operator Can Program Test Profiles or Manually Adjust Process Set Points from the Local PanelView

