plastiXs
A GLOBEIUS Company

X-PURE Water Supply System

Eliminate Contaminants & The Damage They Cause

Plant water used in plastic injection molding facilities can be full of contaminants, including minerals (primarily scale causing calcium). As temperatures and pressure increase in the **new generation of high-temperature water circulation units**, these contaminants are forced out of the water and "plate out" on molds and machinery. This causes damage and decreases heat transfer, emphasizing the need for these units to operate with clean, distilled water treated for high-temperature operation.

Scale, with a build-up of as little as 1/16" can equal 3-5" of steel in terms of heat transfer resistance. Scale increases roughness and pressure drop and decreases flow through cooling circuits. Scale build-up dramatically increases energy costs for pumping and cooling and reduces productivity, increases cycle time, and causes product defects by not allowing full crystallization of high-temperature materials.

What is X-PURE?

Plastixs® developed the X-PURE Water Supply System as a compact and cost-effective solution for eliminating these contaminants by supplying clean, distilled water for use in high-temperature water units. When used as recommended, X-PURE is 100% effective in preventing contaminants from damaging expensive molds and machinery that operate with water at 300°F–450°F.

Water Issues and Contaminants Eliminated by X-PURE:

Tower Systems

- Variable water quality
- Make-up water that brings higher concentration of minerals
- Water treatment for anti-corrosion and biocides that have a maximum operating temperature of 280°F

Chiller Systems

- High concentration of dissolved solids
- Glycol thickens and degrades above its maximum operating temperature of 300°F

Tap Water

- Untreated for equipment protection
- High concentration of dissolved solids

plastiXs®

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Product Specifications

- Maximum 10-gallon stainless steel tank with supply pump and connection hoses
- 8-foot connection hoses provided with #8 JIC swivels on the supply hose and #6 JIC swivels on the return hose
- Pump is automatically controlled with an integrated pressure switch to provide pressure required for water unit to start up and run
- Automatic low water shutdown at 1.5 gallons—indicator lights display Low (1.5 gallons) and High (7.5 gallons) water levels
- Tank is mounted on a portable cart with locking casters
- UL Certified Control Panel

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