



HANS™ SCIENTIFIC WFI

The new standard in Water for Injection

HANS™ Scientific is committed to creating a positive impact in the pharmaceutical, biopharmaceutical, life science and healthcare sectors. Our purpose is to provide an uninterrupted and reliable source of WFI Quality Water with high volume capacity to meet our customers' supply chain requirements.

New, state-of-the-art manufacturing plant

To best serve our customers, a new state-of-the-art FDA & ISO 13485 registered, cGMP compliant facility that gives us the size and flexibility to reduce supply chain lead times and meet growing market demand.

Why choose HANSTM Scientific WFI

- High-volume production capacities
- Short lead times
- Private Label Packaging available
- WFI Quality Water in customized sizes up to 200-liter bioprocess bag containers

Meets or exceeds USP standards and monograph requirements

- FDA-registered cGMP manufacturing facility
- ISO 13485 compliant
- The only water treatment system that has been tested and certified to the new IGC376 standard

- High-output production facility
- Production capabilities include 20 liter and 200 liter bags of WFI Quality Water
- On-site analytical testing analysis to ensure the highest quality assurance standards
- Eliminates the risk of contamination by using proprietary membrane technology and CSF (continuous sterile filtration) water recirculation without the need for storage tanks
- Third Party tested & certified water system to the new IGC376 standard



Applications

- Pharmaceutical manufacturing, including the formulation of parenteral solutions.
- Solvent for active pharmaceutical ingredients.
- Downstream media/buffer preparation in biopharmaceutical manufacturing applications
- Preparation of cell culture media, upstream media, bio buffers and process solution
- Preparation of cleaning solutions for production equipment



Product Specifications

Classification		WFI Quality Water Grades			Options
Test	Test Method	Water for Injection, USP**	Water for Injection, USP-Sterile	Water for Injection, USP-Sterile/DNase/RNase Free	Size
Conductivity @25 C (µs/cm)	USP <645>	≤ 1.3	≤ 1.3**	≤ 1.3**	20L / 200L Bag
TOC (mg/L)	USP <643>	≤ 0.5	≤ 0.5	≤ 0.5	20L / 200L Bag
Endotoxins (EU/mL)	USP <85>	< 0.25	< 0.25	< 0.25	20L / 200L Bag
Sterility	USP <71>	*	No Growth	No Growth	20L / 200L Bag
DNase/RNase Free	Fluorometric Assay	*	*	No Detected	20L Bag

Meets USP monograph for Water for Injection at point of fill. Not intended for parenteral administration. WFI QUALITY WATER IS INTENDED FOR FURTHER MANUFACTURING OR RESEARCH USE. NOT FOR DIAGNOSTIC USE OR DIRECT ADMINISTRATION INTO HUMANS OR ANIMALS.

*Not Specified, Not Required, Not Applicable or No Limit

**Meets USP Monograph at Point of Fill

