



HTO Upflow Series Whole House Water Refining System



A Complete Water Refining System For Your Home

Rid your water of hardness minerals (calcium and magnesium) plus filter out bad tastes and odor caused by chlorine, chloramines or organic matter.

The unique two tank system keeps the two media beds separate, allowing for more carbon contact which greatly improves the removal of chlorine, chloramines and organics. Because the carbon typically needs to be replaced before the softening resin, the two tank system allows for easy cost effective replacement. You get the same benefit as a separate water softener and whole-house carbon filter for a much lower price as the single control valve operates both systems.

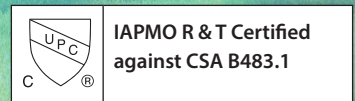
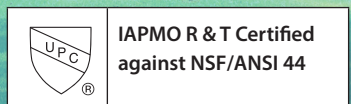
Now you can enjoy truly refined water throughout your home!

*Soft, Clean
Truly Refined
Water*



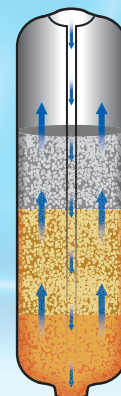
Uses up to
75% less salt
& **64% less**
Water!!!

- Great tasting water
- Odor-free. No chlorine!
- Soft skin & silky hair
- Spot free dishes
- Brighter laundry
- Easier cleaning
- Protect plumbing & water using appliances from scale build-up



Features:

- Two tank carbon system keeps media beds separate, allowing for more carbon contact for improved chlorine, chloramines and organic removal
- Carbon can be replaced without replacing the resin bed
- Same benefit as separate systems but with cost of only one control valve
- Salt-efficient upflow regeneration
- Exclusive NSF Certified electronic control valve with seven year warranty featuring proven piston, seal & spacer technology
- Fully adjustable cycles allow customization to the most efficient settings based on specific water quality requirements
- Backlit LCD display screen with no confusing codes or symbols. The 89 Control features a large 4 line / 80 character touch pad screen.
- NSF Certified fibreglass pressure tank with lifetime warranty
- High density polyethylene salt tank with lifetime warranty
- Brine safety valve for added overflow protection
- Plastic salt grid prevents salt bridging
- Unique precision turbine meter is incorporated in system bypass valve – saving over 4" of floor space
- Time saving quick connect fittings on brine line, drain line (with O-ring seal) and power cord for fast and easy installations



Upflow Regeneration
drives the hardness minerals up through the already depleted resin and out to drain - saving both salt and the unused portion of the resin for future use.

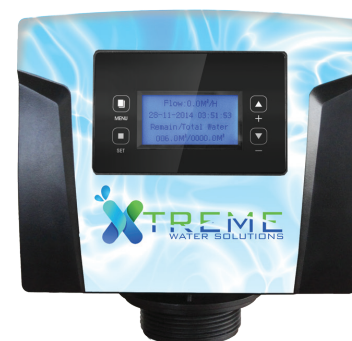


7 Year Warranty
Control Valve



Lifetime Warranty
Pressure tank

Specifications	HTO-150	HTO-200	HTO-250	HTO-300
Salt Used - Per Regeneration	9.0 lbs	12.0 lbs	15.0 lbs	18.0 lbs
Water Used - Regeneration	148 gal	162.4 gal	216.0 gal	224.8 gal
Hardness Removal - Grains	37,500	50,000	67,500	75,000
Tank #1 Carbon Quantity (ft3)	1.50 ft	2.0 ft	2.5 ft	3.0 ft
Tank #2 Resin Quantity (ft3)	1.50 ft	2.0 ft	2.5 ft	3.0 ft
Tank Size	10x54	12x52	13x54	14x65
Media Loaded	Yes	Yes	No	No
Brine Tank (Inches)	BTR 18.1 x 34.5 BTS 15.0"x34.7	20.3 x 37.4	20.3 x 37.4	23.0 x 40.5
Salt Storage Capacity	BTS 240 lbs BTR 270 lbs	350 lbs	350 lbs	420 lbs
Flow Rate @ 15 psi Pressure Drop	7.4 gpm	9.0 gpm	9.2 gpm	9.2 gpm
Flow Rate @ 25 psi Pressure Drop	10.1 gpm	11.9 gpm	12.1 gpm	12.1 gpm
Back Wash Flow Rate	3.5 gpm	4.0 gpm	4.5 gpm	5.0 gpm
Shipping Weight	171 lbs	214 lbs	225 lbs	232 lbs
Regeneration Type	Up Flow			
Plumbing Connections	89 valve units 1" straight only			
Resin Type	Aquafine 8% cation exchange resin			
Carbon Type	Catalytic Carbon			
Electrical Requirements	Input 120V 60 Hz - Output 12V 650mA			
Water Temperature	Min 39 - Max. 100° F			
Water Pressure	Min. 20 - Max. 125 psi			



A Division of

