

Puro-35T

Drinking Water System

For people who refuse to compromise with their drinking water quality.

If you're puzzled with your drinking water quality, we have the solution...the PURO Drinking Water System. Water from your water supply is taken through a four-stage treatment process that provides delicious drinking water at your finger tips.



The first treatment stage uses a **pre-filter** designed to remove dirt, rust and sediment. The second stage employs **reverse osmosis** technology to reduce unwanted and sometimes harmful contaminants. The reverse osmosis process allows water to penetrate a semi-permeable membrane while the unwanted contaminants are repelled and sent to the drain.

The third and fourth stages improve the taste of the water with granular **activated carbon** media. Activated carbon removes undesirable tastes and odors.

The PURO Drinking Water System is **engineered to monitor its contaminant removal** with high-tech electronics. The water quality monitor is built into the base of the attractive PURO faucet.

Unscramble your drinking water puzzle today with a PURO Drinking Water System. Come on, tap the PURO faucet and start enjoying delicious water!



MASTER

Water Conditioning

Master Water Conditioning Corp.

224 Shoemaker Road, Pottstown, PA 19464
610.323.8358

www.masterwater.com

Performance Data & Specifications on Other Side.

Puro-35T Drinking Water System



Tested and Certified by NSF International against NSF/ANSI Standard 58 for reduction of: Arsenic, Barium, Cadmium, Chromium (Hexavalent), Chromium (Trivalent), Copper, Cyst, Fluoride, Lead, Nitrate, Nitrite, Radium 226/228, Selenium and TDS.

This reverse osmosis system contains replaceable treatment components critical for effective performance. The user is responsible for periodic testing of the product water to verify that the system is performing satisfactorily. The manufacturer strongly recommends this user testing.

The Water Quality Monitor has been integrated into faucet base for instant monitoring at the touch of a button. The monitor compares the level of the total dissolved solids in the incoming (feed) water versus product water and calculates the percent rejection. Monitor is preset to indicate a level of 75% rejection. NSF/ANSI Standard 58 requires a 75% total dissolved solids rejection.

A green light indicates that the percent rejection is at or above the set (desired) value and that the system is producing quality water.

An amber light indicates that the product water quality is less than acceptable. Because the Water Quality Monitor was designed to operate best while the system is making water, a false reading may occur if tested when your R.O. drinking water system is NOT making water. Please empty the storage tank, wait 15 minutes for the system to begin making water, and test your water again. If the Water Quality Monitor light is still amber, change the 9-volt battery and test your water again. If the Water Quality Monitor light is still amber, please contact a water treatment professional for service. The Water Quality Monitor requires a 9-volt battery, which is included.

REDUCTION PERFORMANCE CLAIMS: This system has been tested according to NSF/ANSI 58 for reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 58.

NSF/ANSI Standard 58 Requirements			Actual Test Data		
	Influent Challenge Concentration (mg/l) ¹	Maximum Allowable Product Water Concentration (mg/l) ¹	Average Influent Challenge Concentration (mg/l) ¹	Average Product Water Concentration (mg/l) ¹	Average % Reduction ²
Arsenic ³	0.30 ± 10%	0.025	0.28	0.0035	99
Barium	10.0 ± 10%	2.0	10.5	0.3	97
Cadmium	0.03 ± 10%	0.005	0.031	0.0006	98
Chromium (Hexavalent)	0.15 ± 10%	0.05	0.15	0.013	91
Chromium (Trivalent)	0.15 ± 10%	0.05	0.17	0.01	94
Copper	3.0 ± 10%	1.3	3.1	0.03	99
Fluoride	8.0 ± 10%	1.5	8	0.5	94
Lead	0.15 ± 10%	0.010	0.15	0.002	99
Nitrate (as N) ⁴	27.0 ± 10%	10.0	25	4.9	80
Nitrite (as N) ⁴	3.0 ± 10%	1.0	2.8	0.6	79
Radium 226/228 ⁵	25 pCi/l ± 10%	5 pCi/l	25 pCi/l	5 pCi/l	80
Selenium	0.1 ± 10%	0.05	0.1	0.008	92
Total Dissolved Solids	750 ± 40 mg/l	187	928	95	90
Cysts (The cyst reduction claim includes oocysts of Cryptosporidium and cysts Giardia and Entamoeba.)	50,000#/ml minimum	99.5% reduction requirement	149,357#/ml	5#/ml	99.99

- 1 Unless otherwise indicated.
- 2 Average based upon actual test data.
- 3 This system shall only be used for arsenic reduction on chlorinated water supplies containing detectable residual free chlorine at the system inlet.
- 4 Acceptable for treatment of influent concentrations of no more than 27 mg/l nitrate and 3 mg/l nitrite, measured as N, and is certified for nitrate/nitrite reduction only on water supplies with a pressure of 40 psig (280kPa) or greater.
- 5 The reduction of Radium was verified by using Barium as a surrogate under NSF/ANSI Standard 58.

Test Parameters:

pH..... 7.5 ± 0.5
 Turbidity..... < 1 NTU
 Temperature..... 77° ± 2° F
 Pressure..... 50 psig

Application Guidelines and Specifications

Water Supply Parameters:

Pressure..... 40-100 psig (280-690 kPa)
 Temperature... 40°- 100° F (4° -38° C)
 pH Range..... 3 - 11
 Max. T.D.S. Level..... 2000 ppm

CHEMICAL:	LIMIT:
Hardness.....	<170 mg/l
Iron.....	<0.1 mg/l
Manganese.....	<0.05 mg/l
Hydrogen Sulfide.....	0

Water supplies that exceed limits for Hardness, Iron, Manganese and Hydrogen Sulfide require pretreatment.

Caution: Do not use with water that is microbiologically unsafe or of unknown quality, without adequate disinfection before or after the system. Systems certified for cyst reduction may be used on disinfected water that may contain filterable cysts.

System Components/Part Nos.

Sediment Prefilter: 5 Micron/ Activated Carbon Block Filter....**Part No. S7128**
Membrane: Thin Film Composite (T.F.C.) Membrane.....**Part No. S1448RS**
Post Filter: Activated Carbon Filter...**Part No. S7125**
In-Line Post Filter: Activated Carbon In-Line Filter....**Part No. S7206W**

Refer to owner's manual for proper operation, installation instructions, warranty information, service interval recommendations and service availability.

Performance Ratings

System Production: 11 gallons per day (42 liters).
Average T.D.S. Reduction: 90% - Rated at 50 psig, 77° ± 2° F. 928 mg/l T.D.S. product water to pressurized storage tank.
 Sodium Chloride was used as a surrogate for T.D.S. System rating determined by laboratory testing at NSF International.
Membrane Production: 35 ± 7 gallons per day (106 -159 liters per day).
Membrane T.D.S. Reduction: 95% minimum - Measured at industry standard condition of 50 psig, 77° ± 2° F. 250 ppm T.D.S., and discharging to atmosphere. NOTE: Actual system production and contaminant reduction will depend upon water temperature and pressure, T.D.S. level, membrane variation and usage pattern.



Master Water Conditioning Corp.
 224 Shoemaker Road, Pottstown, PA 19464
www.masterwater.com

610.323.8358