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ROM III REVERSE OSMOSIS MODULAR DRINKING WATER PROCESSOR

S-101 Prefilter Cartridge "A" - Part No. EV9273-77
TFC RO Cartridge "B" - Part No. EV9273-70
VOC #1 Organics Cartridge "C" - Part No. EV9601-71

Important Notice: Read this performance data sheet and compare the capabilities of this unit with your actual water treatment needs. It is recommended that, before purchasing a water treatment unit, you have your water supply tested to determine your actual needs.

OPERATIONAL SPECIFICATIONS

- Pressure Requirement: 40-125 psig (280-860 kPa)
- Temperature: 40-100°F (4-38°C)
- Nominal Production Rate*: 14.4 gal/day (54 Lpd)
  * This may vary depending on specific water conditions.

PERFORMANCE INDICATORS

- If water production decreases or a noticeable taste change occurs or TDS production falls below 75% or Nitrate plus Nitrite (both as N) levels greater than 10 ppm are found, contact Everpure Technical Service at 800/942-1153.
- TDS reduction performance can be monitored by a water sample sent for TDS analysis by contacting Everpure Technical Service at 800/942-1153.
- Nitrate reduction performance is checked periodically using the Nitrate Test Kit P/N EV3080-20 supplied with the unit. If any Nitrate is detected, arrange for a laboratory Nitrate analysis by contacting Everpure Technical Service at 800/942-1153.

Substance	Influent Challenge Concentration	Max. Permissable Product Water Concentration	Reduction Requirements	Minimum Reduction	Average Reduction
Standard 42—Aesthetic Effects					
Arsenic (Pentavalent)	0.30 mg/L ± 10%	0.025 mg/L		96.6%	98.0%
Barium	10.0 mg/L ± 10%	2.0 mg/L		90.0%	90.0%
Cadium	0.03 mg/L ± 10%	0.005 mg/L		90.0%	96.4%
Chromium (Hexavalent)	0.3 mg/L ± 10%	0.1 mg/L		86.6%	86.6%
Chromium (Trivalent)	0.3 mg/L ± 10%	0.1 mg/L		85.7%	85.7%
Copper	3.0 mg/L ± 10%	1.3 mg/L		96.5%	99.2%
Fluoride	8.0 mg/L ± 10%	1.5 mg/L		89.9%	95.2%
Lead	0.15 mg/L ± 10%	0.010 mg/L		97%	98.1%
Nitrate plus Nitrite (both as N)	30.0 mg/L ± 10%	10.0 mg/L			
Nitrate(as N)	27.0 mg/L ± 10%	10.0 mg/L		74.3%	80.4%
Nitrite(as N)	3.0 mg/L ± 10%	1.0 mg/L		68.3%	75.8%
Selenium	0.10 mg/L ± 10%	0.05 mg/L		93.0%	96.8%
Radium 226/228	25 pCi/L ± 10%	5 p/Ci/L		80.0%	80.0%
Total Dissolved Solids	750 mg/L ± 40 ug/L	187 mg/L		92.4%	94.6%
Cyst	Minimum 50,000/L		99.95%	99.99%	99.99%
MTBE*	0.015 mg/L ± 20%	0.005 mg/L		77.8%	92.1%
Chloroform	0.30 mg/L	0.15 mg/L		95.0%	99.0%

HEALTH CLAIM PERFORMANCE CERTIFIED BY NSF/ANSI*

This system has been tested according to NSF/ANSI 42 and 53 for the reduction of the substances listed below. The concentration of the indicated substances in water entering the system was reduced to a concentration less than or equal to the permissible limit for water leaving the system, as specified in NSF/ANSI 42 and 53.

Substance	Influent Challenge Concentration mg/L	Maximum permissible Product Water Concentration mg/L
alachlor	0.050	0.001
atrazine	0.100	0.003
benzene	0.081	0.001
carbofuran	0.190	0.001
carbon tetrachloride	0.078	0.0018
chlorobenzene	0.077	0.001
chloropicrin	0.015	0.0002
2,4-D	0.110	0.0017
dibromochloropropane (DBCP)	0.052	0.00002
o-dichlorobenzene	0.080	0.001
p-dichlorobenzene	0.040	0.001
1,2-dichloroethane	0.088	0.0048
1,1-dichloroethylene	0.083	0.001
cis-1,2-dichloroethylene	0.170	0.0005
trans-1,2-dichloroethylene	0.086	0.001
1,2-dichloropropane	0.080	0.001
cis-1,3-dichloropropylene	0.079	0.001
dinoseb	0.170	0.0002
endrin	0.053	0.00059
ethylbenzene	0.088	0.001
ethylene dibromide (EDB)	0.044	0.00002
haloacetonitriles (HAN):		
bromochloroacentonitrile	0.022	0.0005
dibromoacetonitrile	0.024	0.0006
dichloroacetonitrile	0.0096	0.0002
trichloroacetonitrile	0.015	0.0003
haloketones (HK):		
1,1-dichloro-2-propanone	0.0072	0.0001
1,1,1-trichloro-2-propanone	0.0082	0.0003
heptachlor	0.25	0.00001
heptachlor epoxide	0.0107	0.0002
hexachlorobutadiene	0.044	0.001
hexachlorocyclopentadiene	0.060	0.000002
lindane	0.055	0.00001
methoxychlor	0.050	0.0001
pentachlorophenol	0.096	0.001
simazine	0.120	0.004
styrene	0.150	0.0005
1,1,2,2-tetrachloroethane	0.081	0.001
tetrachloroethylene	0.081	0.001
toluene	0.078	0.001
2,4,5-TP(silvex)	0.270	0.0016
tribromoacetic acid	0.042	0.001
1,2,4-trichlorobenzene	0.160	0.0005
1,1,1-trichloroethane	0.084	0.0046
1,1,2-trichloroethane	0.150	0.0005
trichloroethylene	0.180	0.001
trihalomethanes (includes): chloroform (surrogate chemical) bromoform bromodichloromethane chlorodibromomethane	0.300	0.015
xylenes (total)	0.070	0.001

*(VOC surrogate chemical)**

* Test results based on Standard 53 criteria.

† Results based on NSF Standard 58 Test Criteria. Actual system performance may vary depending on water pressure, water temperature, and other substances which may be found in water.

Buyer **Seller** **Date**

GENERAL INSTALLATION/OPERATION/MAINTENANCE REQUIREMENTS

- Space required: 12” wide x 17” high x 4” deep (30 x 43 x 10 cm), plus an additional 3 inches of clear space under unit for cartridge change.
- Install vertically with cartridges hanging down.
- Use minimum length of tubing possible.
- Flush all cartridges, “A”, “B”, and “C” per Installation and Use Manual provided with unit.
- S-101 Prefilter Cartridge “A” and VOC #1 Organics Cartridge “C” should be changed every 6 months. Properly maintained, TFC RO Cartridge “B” will last 2-3 years under average water conditions. It is not possible to be specific about gallonage limits because turbidity and other aspects of water quality are unpredictable.

SPECIAL NOTICES

- Installation instructions, parts and service availability, and standard warranty are included with the product when shipped.
- This drinking water system must be maintained according to manufacturer’s instructions, including replacement of filter cartridges S-101-$91.75; TFC RO-$186.75; VOC #1-$138.75.
- The contaminants or other substances removed or reduced by this water treatment system are not necessarily in your water.
- Check for compliance with state and local laws and regulations.
- Do not use with water that is microbiologically unsafe, or of unknown quality without adequate disinfection before or after the system.
- System certified for cyst reduction may be on used on disinfected waters that may contain filterable cysts.
- This system shall only be used for Arsenic Reduction on chlorinated water supplies containing detectable residual free chlorine at the system inlet.
- This system is acceptable for treatment of influent concentrations of no more than 27 mg/L nitrate and 3 mg/L nitrite in combination measured as N and is certified for nitrate/nitrite reduction only for water supplies with a pressure of 280 kPa (40 psig) or greater.
- Tested under standard laboratory conditions. Actual performance may vary.
- For general operations and maintenance requirements, and the manufacturer’s warranties, see the owner’s manual.

GENERAL INFLUENT WATER LIMITS - TFC RO Cartridge “B”

	Minimum	Maximum
pH	5	10
Chlorine	0 ppm	0 ppm
Iron	0 ppm	1 ppm
TDS	0 ppm	2000 ppm
Turbidity	0 NTU	10 NTU
Bacterial Quality	Potable	Potable

System Tested and Certified by NSF International against NSF/ANSI Standard 58 and 53 for the reduction of:

Std. No. 58	***Std. No. 53—Health effects***
Pentavalent Arsenic	*Chemical Reduction*
Barium	MTBE
Cadmium	VOC
Copper	
Cyst	
Flouride	
Hexavalent Chromium	
Lead	
Nitrate/Nitrite	
Radium 226/228	
Selenium	