

GRO-475B, GRO-475M 4 STAGE REVERSE OSMOSIS SYSTEMS



GRO-475B System



GRO-475M Monitored System

FEATURES/BENEFITS

High efficiency GRO 75 GPD membrane technology

Effortless click-in lock cartridge installation

3/8" push fit plumbing connection for easy installation and high flow

Water supply valve shut off fits multiple piping styles

Color coded cartridges to maintain proper filter sequence

Lead and chemical reduction cartridge

3/8" tubing to storage tank and faucet

Built-in check valve with multi-point backflow protection

Utilizes the dual technology of the DFX Diamond Flow series combining a sediment and carbon block in one cartridge

Faucet with air gap included

On board TDS monitor measures rejection of GRO element within the GRO-475M model

SPECIFICATIONS

Temperature Range:

40-100°F (4.4-37.8°C)

Pressure Range:

40-100 psi (2.75-6.89 bar)

System Production Rate:

21.08 gpd (79.77 Lpd)

Recovery Rating:

41.05%

Efficiency Rating:

23.57%

TDS Rejection:

96.3%

Dimensions:

14.57"W x 5.46"D x 12.54"H
(370mm x 139mm x 319mm)

Weight:

Model: GRO-475B, GRO475M
(system only) 8.9 lbs (4.0 kg)

SHIPPING SPECIFICATIONS

PART NUMBER	MODEL	DESCRIPTION	CARTON QTY.	CARTON DIMENSIONS INCHES (MILLIMETERS)
161111, 161151	GRO-475B/GRO-475M	4 Stage Reverse Osmosis Systems	1	16.4" L X 16" W X 19.3" H (417mm X 406mm X 489mm)
655123-96	FDF1-RC	Cartridge, CTO Diamond Flow	12	16.4" L X 12.4" W X 13" H (417mm X 315mm X 330mm)
655122-96	GRO75-RC	75 GPD GRO Membrane Cartridge	12	16.4" L X 12.4" W X 13" H (417mm X 315mm X 330mm)
655120-96	F1B1-RC	Lead and Chemical Carbon Block Cartridge	12	16.4" L X 12.4" W X 13" H (417mm X 315mm X 330mm)
655117-96	F1GC-RC	Post Filter Cartridge	12	16.4" L X 12.4" W X 13" H (417mm X 315mm X 330mm)
PART NUMBER	MODEL	DESCRIPTION	PALLET QTY.	PALLET DIMENSIONS
161111, 161151	GRO-475B/GRO-475M	4 Stage Reverse Osmosis Systems	8 Systems	32.4" L X 32.4" W X 43.5" H (823mm X 823mm X 1105mm)
655123-96	FDF1-RC	Cartridge, CTO Diamond Flow	288 Cartridges	45" L X 37" W X 45" H (1143mm X 838mm X 1143mm)
655122-96	GRO75-RC	75 GPD GRO Membrane Cartridge	288 Cartridges	45" L X 37" W X 45" H (1143mm X 838mm X 1143mm)
655120-96	F1B1-RC	Lead and Chemical Carbon Block Cartridge	288 Cartridges	45" L X 37" W X 45" H (1143mm X 838mm X 1143mm)
655117-96	F1GC-RC	Post Filter Cartridge	288 Cartridges	45" L X 37" W X 45" H (1143mm X 838mm X 1143mm)

PERFORMANCE

GRO-475B/GRO-475M SYSTEM INSTALLED WITH FDF1-RC, GRO75-RC, F1B1-RC, F1GC-RC FILTER CARTRIDGES

This system has been tested according to NSF/ANSI 58 for the reduction of 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 58.

System Production Rate: 21.08 gpd (79.77 Lpd)
Recovery Rating: 41.05%
Efficiency Rating: 23.57%

TDS Rejection: 96.3%

* NSF/ANSI Standard 53 and 58 certified to reduce cysts such as *Cryptosporidium* and *Giardia* by mechanical means.

EPA EST. NO. 082989-CHN-001



System Tested and Certified by NSF International against NSF/ANSI Standard 42, 53, 58, and CSA B483.1 for the reduction of the claims specified on the Performance Data Sheet.

Model GRO-475B / GRO-475M

Substance	Influent Challenge Concentration	Max. Permissible Product Water Concentration	Reduction Requirements	Average Reduction
Standard 42				
Chlorine Taste and Order	2.0 mg/L ± 10%		>50%	95.9%
Standard 53				
Cysts*	Minimum 50,000/L		99.95%	99.99%
Atrazine	0.009 mg/L ± 10%	0.003 mg/L		93.7%
Lead (pH 6.5)	0.15 mg/L ± 10%	0.010 mg/L		99.9%
Lead (pH 8.5)	0.15 mg/L ± 10%	0.010 mg/L		99.6%
Lindane	0.002 mg/L ± 10%	0.0002 mg/L		97.4%
Standard 58				
Total Dissolved Solids	750 ± 40 mg/L	187 mg/L		96.3%
Pentavalent Arsenic	0.050 mg/L ± 10%	0.010 mg/L		88.0%
Fluoride	8.0 mg/L ± 10%	1.5 mg/L		93.6%
Cysts*	Minimum 50,000/mL		99.95%	99.99%
Turbidity	11 mg/L ± 1 NTU	0.5 NTU		>99.1%
Lead	0.15 mg/L ± 10%	0.010 mg/L		98.6%
Selenium	0.10 mg/L ± 10%	0.05 mg/L		97.9%
Copper	3.0 mg/L ± 10%	1.3 mg/L		98.5%
Cadmium	0.03 mg/L ± 10%	0.005 mg/L		99.1%
Hexavalent Chromium	0.3 mg/L ± 10%	0.1 mg/L		96.4%
Trivalent Chromium	0.3 mg/L ± 10%	0.1 mg/L		98.2%
Radium 226/228	25 pCi/L ± 10%	5 pCi/L		80.0%
Barium	10.0 mg/L ± 10%	2.0 mg/L		96.3%



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