



FRESHPOINT

GRO-475BP 4 STAGE REVERSE OSMOSIS SYSTEM, WITH PUMP



GRO-475BP System

FEATURES/BENEFITS

- High efficiency GRO 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
- Industry leading performance
- 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
- Integrated booster pump for low pressure applications

SPECIFICATIONS

- Operating Voltage: 110 Volt
- Temperature Range: 40-100°F (4.4-37.8°C)
- Pressure Range: 40-100 psi (2.75-6.89 bar)
- Recommended feed pressure range: 10-60 psi

PERFORMANCE

- System Production Rate: 94.38 gpd (357.3 Lpd)
- Recovery Rating: 55.82%
- Efficiency Rating: 51.42%
- TDS Rejection: 98.0%
- Dimensions: 17.82"W x 5.46"D x 12.54"H (453mm x 139mm x 319mm)
- Weight: Model: GRO-475BP (system only) 12.75 lbs (5.78 kg)

SHIPPING SPECIFICATIONS

PART NUMBER	MODEL	DESCRIPTION	CARTON QTY.	CARTON DIMENSIONS INCHES (MILLIMETERS)
161114	GRO-475BP	4 Stage Reverse Osmosis System, with pump	1	19.5"L X 16"W X 19.3"H (495mm 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
161114	GRO-475BP	4 Stage Reverse Osmosis System, with pump	8 Systems	39"L X 32"W X 43.5"H (990mm X 813mm 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-475BP 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: 94.38 gpd (357.3 Lpd)
Recovery Rating: 55.82%
Efficiency Rating: 51.42%

TDS Rejection: 98.0%

* 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-475BP

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		98.0%
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%



13845 BISHOPS DR., SUITE 200, BROOKFIELD, WI 53005 USA
P: 262.238.4400 | WATERPURIFICATION.PENTAIR.COM | CUSTOMER CARE: 800.279.9404 | tech-support@pentair.com

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