

1-1 Vertex 5-Stage RO System

Features and Benefits:

- 5-stage system for more challenging water conditions
- 75 gallon per day membrane for faster tank refill
- Quick Connect fittings for ease of installation
- Optimized for city water systems
- Gold Seal Certified to ANSI/NSF 58 (for contaminant reduction)
- Assembled and tested in the US
- Water-conserving auto shut-off valve
- Feed water connector-threaded inlet adapter with metal ballvalve
- Long reach, non-airgap chrome faucet
- Drain saddle clamp
- Flow restrictor – modified capillary
- Color-coded 1/4 inch flexible polyethylene tubing
- 2 year limited warranty

CERTIFIED REDUCED CONTAMINANTS:

Arsenic	Cadmium
Lead	Copper
Chromium III & VI	Radium 226 & 228
Fluoride	Turbidity
Selenium	TDS
Barium	

Tested for structural integrity, chemical extraction, and reduction of contaminants.

ORDERING

5 stage Reverse Osmosis 50 GPD	CWPT505
4 stage Reverse Osmosis 50 GPD w/UV Sterilizer	CWPT504
Air Gap Faucet option	add AG
Self-piercing Saddle Valve option	add SV
3/8" Line to Faucet option	add 3/8
Metal Tank option	add MT
Protekk Water Tray and Leak Detector	LDDT-1218



Model: CWCHARGERRO

1-1 waste to product water compared to most 3-1 systems makes our ro system one of the most efficient on the market

Stage 1 - Sediment Filter: 5 micron Polyspun 2.5" dia. x 9.75" takes out suspended solids such as dirt, rust, sand, and pipe scale.

Stage 2 - Activated Carbon Block Filter: 5 Micron, 2.5" dia. x 9.75": removes chlorine, bad tastes and odors.

Stage 3 - Activated Carbon Block Filter: 5 Micron, 2.5" dia. x 9.75": for increased chlorine, chloramine and VOC reduction

Stage 4 - Reverse Osmosis Membrane: 50 GPD TFC @ 65 PSI differential: removes dissolved solids to .0001 micron

Stage 5 - Carbon Post Filter: In-Line, Granular Activated Coconut Carbon, 2" dia. x 10": polishes water for best taste

Tank: 4.0 Gallon Plastic Tank pre-pressurized with Butyl Bladder

Conditions of Use: Water must be microbiologically safe;

Weight: 28 lb.

Dimensions: 15.5"L x 7"D x 18"H

Tank: 11 dia. x 15.5"H

System pressure:

40 min to 100 max psi

Temp: 40 to 100° F

pH Range: 3 to 10

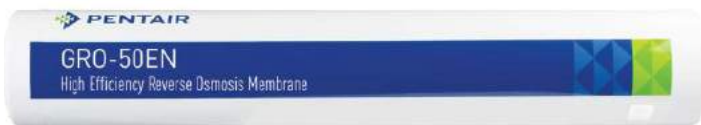
Turbidity: less than 1.0 NTU

TDS: 1500 ppm max

GRO Encapsulated Element

High Recovery Membrane

Provides High Quality Reverse Osmosis Water



Pentair TLC Residential Membranes use an industry leading state-of-the-art TLC (Thin Layer Composite) membrane providing high quality water for a broad range of water chemistries. Each membrane is required to meet our factory's strict performance requirements prior to shipment.

Features and Benefits:

- Double the recovery over standard reverse osmosis elements
- Rejection performance comparable to standard reverse osmosis elements
- High rejection stability at high input TDS
- TLC Thin Layer Composite membrane
- 100% dry membrane maximizing shelf life
- Available with or without drain line flow control
- Capillary style drain line flow control kits available and sized for each GRO model

Filters and membrane elements are not to be installed on microbiologically unsafe water supplies. TLC Membranes are not certified to sanitize water, remove cysts, bacteria, or viruses. Filter and membrane element performance can be affected by fluctuations in water quality.

Operational Limits:

Maximum Pressure: 125 PSI (6.90 bar)
 Maximum Temperature: 120oF (49°C)
 pH: 4-11
 Free Chlorine: 0.1 ppm



The GRO-36EN, GRO-50EN and GRO-75EN are Tested and Certified by NSF International against NSF/ANSI Standard 58 for materials and structural integrity requirements



Product Performance

Part #	Model #	Nominal Performance		Drain Line Flow Control (mL/MIN)
		Flow* GPD (LPD)	Rejection	
4002573	GRO-36EN	36 (136)	96	Not included
4002574	GRO-50EN	50 (189)	96	Not Included
4002575	GRO-75EN	75 (284)	96	Not included
4004423	GRO-36EN W/DLFC	36 (136)	96	Not included
4004424	GRO-50EN W/DLFC	50 (189)	96	Not included
4004425	GRO-75EN W/DLFC	75 (284)	96	Not included

Product Tested at 65 psi; 77°F; 50% recovery; 500 ppm NaCl/RO

*NOTE: The data to the left is based on internal laboratory testing

Nominal performances are based on a 500 ppm softened tap at 65 psig (4.48 bar), 77°F (25°C), 50% recovery after 25 hours. Individual element flux may vary +/- 15%.

Shipping Specs

Part #	Model #	Carton Dimensions - Inches (CM)	Weight - lbs. (Kg)	Carton Qty.
4002573/4004423	GRO-36EN	11.5" L x 12" W x 17" H (29.2 x 30.5 x 43.1)	25.2 (11.4)	16
4002574/4004424	GRO-50EN	11.5" L x 12" W x 17" H (29.2 x 30.5 x 43.1)	26 (11.8)	16
4002575/4004425	GRO-75EN	11.5" L x 12" W x 17" H (29.2 x 30.5 x 43.1)	27.7 (12.56)	16

Pallet	40" L x 48" W x 37" H (101.6 x 121.9 x 93.9)	384 pcs.
--------	--	----------

Drain Line Flow Control Kits

Part #	Description	Size	Carton Qty.
4004446	Kit, GRO-36EN	100mL/MIN	25
4004447	Kit, GRO-50EN	150 mL/MIN	25
4004448	Kit, GRO-75EN	200 mL/MIN	25

