

1-1 Isotwist 5-Stage RO System

Five Stage RO with 75 GPD Membrane and proprietary twist-off filters

The Charger Isotwist is an undersink Reverse Osmosis filter system optimized to treat city water using the existing water pressure. This model makes up to 75 gallons a day of great tasting water while taking up less space than most other 5-stage models. Choose 5-stages of filtration to ensure premium water taste and quality. The easy twist-off disposable filter cartridges and RO membrane assembly are designed to make installation and replacement quick, easy and sanitary. Great for large service programs or for customers who like to do the filter replacement themselves. The Isotwist comes complete, ready to install with connection hardware, tubing, faucet and instruction manual.



Features and Benefits:

- Proprietary twist-off filter cartridges
- High capacity 75 GPD TFC RO membrane assembly for easy replacement
- Quick connect o-ring seal fittings
- Compact size takes less space than most 5-stage systems
- 1-1 waste to product water compared to most 3-1 systems makes our RO system one of the most efficient on the market



SPECIFICATIONS

Shipping Weight:
24 lbs.

Dimensions:
14" L x 6" D x 15.5" H

Tank:
11" diameter x 15.5" H

CONDITIONS OF USE:
Water must be microbiologically safe

System Pressure:
40 min to 100 max psi

Temperature:
40 to 100° F

PH Range:
3 to 10

Turbidity:
Less than 1.0 NTU

TDS:
1500 PPM max

Model: CWCHARGERISO

CERTIFIED REDUCED CONTAMINANTS:

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



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

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.
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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

