

# 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/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

## OPERATIONAL LIMITS

Maximum Pressure:  
125 PSI (6.90 bar)

Maximum Temperature:  
120°F (49°C)

pH:  
4-11

Free Chlorine:  
0.1 ppm

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.



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



## SIZE SPECIFICATIONS



## PRODUCT PERFORMANCE

PART NUMBER	MODEL NUMBER	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	100 (INCLUDED)
4004424	GRO-50EN W/DLFC	50 (189)	96	150 (INCLUDED)
4004425	GRO-75EN W/DLFC	75 (284)	96	200 (INCLUDED)

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

\*NOTE: The data above 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 SPECIFICATIONS

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 lbs. (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 lbs. (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 lbs. (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	100 ML/MIN	25
4004447	Kit, GRO-50EN	150 ML/MIN	25
4004448	Kit, GRO-75EN	200 ML/MIN	25



### WATER QUALITY SYSTEMS

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