



**CodeLine™**

Pentair Water

Performance Industry Trusts

# CodeLine™ 4” Membrane Housings for low pressure applications

## 40S Series - Side Entry



With over 400,000 vessels in service world-wide, for over three decades, CodeLine™ has been setting the standards in the industry with continuous innovation and uncompromising reliability making it the most trusted name in the water treatment industry.

The 40S Series Membrane Housing is designed for continuous, long-term use for Reverse Osmosis and Ultra-Filtration applications in typical industrial and commercial water treatment systems at pressure of 300, 450 & 600 PSI.

These Side Entry Membrane Housings are designed to accommodate any standard\* make of 4 inch membrane element.

**Ultrapure / Sanitary Applications:** 40S series comes with a specially designed 3-A style sanitary connection (optional).

\*Standard Element length = 40" long

## Features

- ◆ Mirror finish I.D. for easy & quick loading & unloading of membranes.
- ◆ Multi-Porting option for connecting vessels to each other.
- ◆ High operation temperature up to 120 °F.
- ◆ Quick lock head retention system for quick access to membranes.
- ◆ Exteriors coated with high gloss polyurethane paint for UV resistance.
- ◆ Compact design for use in compact and low energy water treatment units.
- ◆ All components of the shell and head are constructed from material that are FDA / NSF listed.
- ◆ ASME compliant & CE marking.
- ◆ Head seal area is formed by Mandrel surface, hence more accurate.
- ◆ Head seal is captured, hence doesn't roll during head assembling.
- ◆ Single piece head assembly cuts down number of spares (available as non-coded option for all pressure ratings).



# Specifications: 40S Series

CODED

Model	Drawing Number	Design/Operating Pressure	Max. Operating Temperature	Qualification Pressure	Element Length
40S30	99311	300 PSI / 20 Bar	120°F / 49°C	1800 PSI / 124 Bar	1 - 6
40S45	99315	450 PSI / 31 Bar	120°F / 49°C	2700 PSI / 186 Bar	1 - 6
40S60	99313	600 PSI / 41 Bar	120°F / 49°C	3600 PSI / 248 Bar	1 - 6

## NON-CODED

Model	Drawing Number	Design/Operating Pressure	Max. Operating Temperature	Qualification Pressure	Element Length
40S30	99312	300 PSI / 20 Bar	120°F / 49°C	1800 PSI / 124 Bar	1 - 6
40S45	99316	450 PSI / 31 Bar	120°F / 49°C	2700 PSI / 186 Bar	1 - 6
40S60	99314	600 PSI / 41 Bar	120°F / 49°C	3600 PSI / 248 Bar	1 - 6

- Please refer to sales drawings for multi-port options.
- ASME stamped vessels available on request.
- All specifications mentioned above are subject to change without prior notice.

## CodeLine™ : Setting the Standards of Quality

CodeLine™ is committed to quality. Each vessel is subject to rigorous quality inspection and hydro-testing before shipping.

Pentair's quality certifications follow from independent and separate accreditations for materials, standards and practices at its manufacturing facility.



AUTHORIZED USER OF  
ASME CODE SYMBOL

CodeLine™ is a part of Pentair, a global diversified operating company serving the commercial, industrial, municipal and residential markets through innovative solutions under strong brand names. Pentair's Water Segment – including global Filtration, Flow Technologies, and Pool and Spa businesses – helps deliver safe, clean water to people who need it. Pentair's Technical Products Segment helps protect electrical and electronic equipment and the people who use it. With 13,000 employees worldwide, Pentair generated 2009 sales of \$2.7 billion.

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