



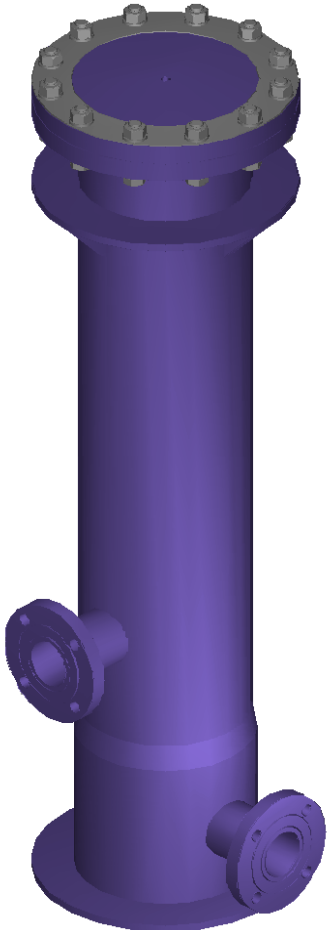
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TPRO FILTER HOUSINGS FILTERS VESSELS FOR THE SEA WATER RO DESALINATION INDUSTRY

TUA ENGINEERING's range of **TPRO** cartridge filter vessels have been designed and built specifically for the seawater reverse osmosis (SWRO) desalination Industry. These filters are also suitable and chemically compatible with the chemicals normally utilized in the cleaning of reverse osmosis membranes.

CORROSION RESISTANCE

- The vessels are constructed from glass reinforced polyester (GRP) and incorporate an integral resin rich liner.
- All internal components are manufactured from non-metallic materials or from a high-grade (6% Mo) stainless steel such as Avesta SMO 254 (UNS S31254)
- All sealing hardware is manufactured out of stainless steel. No painted carbon steel or aluminum is utilized in the vessel.



MODEL TPRO009



3 MODEL TPRO 140 VESSELS WITH BASKETS AND BOTTOM STRAINERS

FEATURES

- Easy removal of cartridge filters on larger vessels. Simply lift out a basket with the entire cartridge filters. Insert new pre-loaded basket full of clean cartridge filters.
- Standard connections on the larger vessels include a separate drain capable of handling the vessel's full flow.
- Inlet and outlet connection flange orientation can be changed to suit customer's requirements.
- A bottom strainer prevents large objects from falling to the bottom of the vessel into the process piping.
- Standard design operating pressure is 6 Bar at 21⁰ C. Higher ratings particularly on the smaller vessels are available.

The range is extensive with the largest vessel capable of housing over 141 x 50" cartridge filter elements. The **TPRO** product range provides a cost effective, durable and low maintenance solution to your seawater pre-treatment needs.

MODEL	Number of elements	Vessel ID mm	Max. Element length	Max flow 40" elements m ³ /hr	Max flow 50" elements m ³ /hr
TPRO140	101 – 141	1090	50"	560	700
TPRO100	61 – 100	930	50"	400	500
TPRO080	60 – 80	800	50"	320	400
TPRO060	40 – 58	600	50"	230	280
TPRO028	19 – 28	500	50"	110	140
TPRO018	12 – 18	400	50"	72	90
TPRO009	7 – 9	300	50"	36	45
TPRO006	4 – 6	250	50"	24	30

Other sizes available upon request.

For further information contact **OUR** local agent or our manufacturing facility:

local agent

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Due to ongoing developments specifications are subject to change without notice.