

ZeeWeed* ultrafiltration (UF)

model: ZW700B-10060 SB 2.2

description and use

As a pioneer of membrane technology, SUEZ leverages decades of research, development, and operational experience to offer the most advanced ultrafiltration technology in the market.

The ZeeWeed 700B-10060 SB 2.2 (Figure 1) line of products contains a singlebore polyethersulfone (PES) membrane for applications requiring higher solids tolerance.

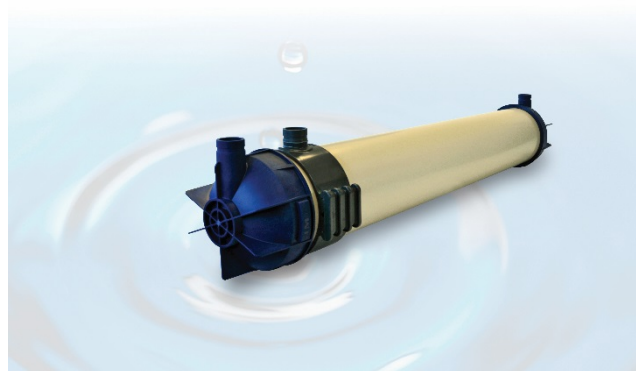


Figure 1: ZW700B-10060 SB 2.2

product specifications element data

Description	ZW700B-10060/UF8/SB/S/2.2/28
Material housing	PVC
Material endcap	GFR-Polyamide
Housing length	1500 +0/-4 mm (59.1 +0/- 0.16 inch)
Element length	1682 +/-1.5 mm (66.2 +/- 0.06 inch)
Distance feed connectors	1596 +/-1.5 mm (62.8 +/- 0.06 inch)
Distance feed element center	179 +/-1.0 mm (7.05 +/- 0.04 inch)
Distance head-permeate connector	191 +/-1.0 mm (7.52 +/- 0.04 inch)
Permeate connection OD	2" Victaulic
Feed connection OD	2" Victaulic
Housing OD	250 mm (10 inch)
Element OD at endcap	320 mm (13 inch)
Weight	31 kg (68 lbs.)

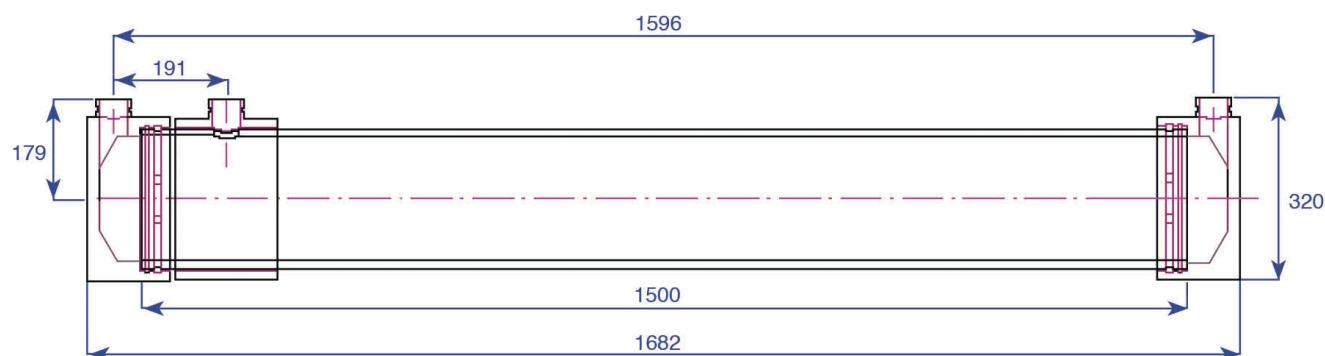


Figure 2: ZW700B-10060 SB 2.2

typical process conditions

Description	Measurement
Maximum temperature	40°C (104°F)
Max pressure	5 bar (72.5 psi)
Typical Trans Membrane Pressure (TMP) operation	<1.0 bar (14.5 psi)
TMP maximum	2.5 bar (36 psi)
Backwash/forward flush maximum	250 l/m ² h (150 gfd)
pH range during operation	2 to 11

membrane type

Description	Measurement
Material	PES
Type	Singlebore
Diameter bores ID	2.2 mm (0.09 inch)
Diameter fiber OD	3.8 mm (0.15 inch)
Area	28 m ² (301 ft ²)

cleaning

Description	Measurement
Cleaning pH range	1.0-13.0
Disinfecting Chemicals: Hypochlorite (NaOCl) Hydrogen peroxide	50 to 200 ppm 100 to 200 ppm

general properties

- UF membrane - for optimal removal of particulates, bacteria and viruses
- PES membrane fibers with singlebore – provides higher solids tolerance.
- Inside-Out filtration – eliminates air scouring step and additional related equipment

storage and handling

All elements are filled with glycerin when new, which is part of the fiber manufacturing and preservation process. Elements must be stored in a dry and normal ventilated location, away from any sources of heat, ignition and direct sunlight in the original packing. The storage temperature must be between 5°C and 35°C (45°F to 91°F).

contact us

If you would like more information about SUEZ's Ultrafiltration, please contact your SUEZ account representative or visit suezwatertechnologies.com.

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