

# ZeeWeed\* Ultrafiltration (UF)

## FACT SHEET

### Model: ZW700B-10060 SB 2.2

#### Description and Use

As a pioneer of membrane technology, Veolia 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.

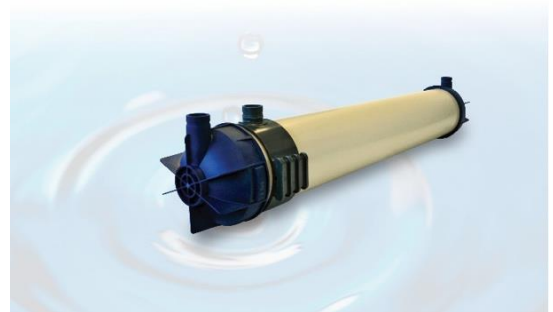


Figure 1: ZW700B-10060 SB 2.2

#### 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 <sup>2</sup> 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 <sup>2</sup> (301 ft <sup>2</sup> )

## Cleaning

Description	Measurement
Cleaning pH range	1.0-13.0
Disinfecting Chemicals:	50 to 200 ppm
Hypochlorite (NaOCl)	
Hydrogen peroxide	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 Veolia's Ultrafiltration, please contact your Veolia account representative or visit [www.veoliawatertechnologies.com](http://www.veoliawatertechnologies.com).

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Please contact us via:  
[www.veoliawatertechnologies.com](http://www.veoliawatertechnologies.com)