

## Water Technologies & Solutions fact sheet

# Zee Weed\* ultrafiltration (U F)

model: ZW700B -10060 SB 1.5

### 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 1.5 (Figure 1) line of products contains a singlebore polyethersulfone (PES) membrane for applications requiring higher solids tolerance.



Figure 1: ZW700B-10060 SB 1.5

### product specifications element data

Description	ZW700B -10060/UF8/SB/S/1.5/35
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.)

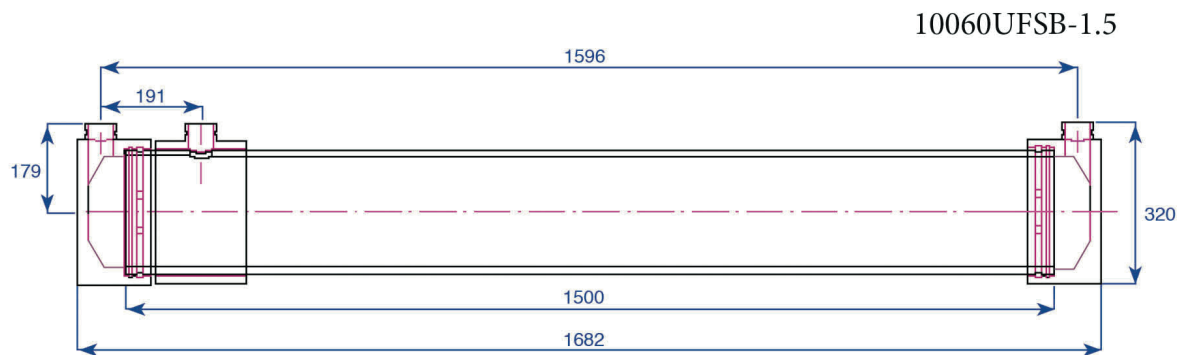


Figure 2: ZW700B - 10060SB 1.5

### 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	1.5 mm (0.06 inch)
Diameter fiber OD	2.5 mm (0.10 inch)
Area	35 m <sup>2</sup> (377 ft <sup>2</sup> )

### cleaning

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

### 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).

### contactus

If you would like more information about SUEZ's Ultrafiltration, please contact your SUEZ account representative or visit [suezwatertechnologies.com](http://suezwatertechnologies.com).