

ZeeWeed* Ultrafiltration (UF)

FACT SHEET

Model: ZW700B-10060, with end-caps

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 (Figure 1) line of products contains our SevenBore* fiber technology with an inside-out flow orientation. The SevenBore fiber is regarded as the most robust polyethersulfone (PES) product on the market.

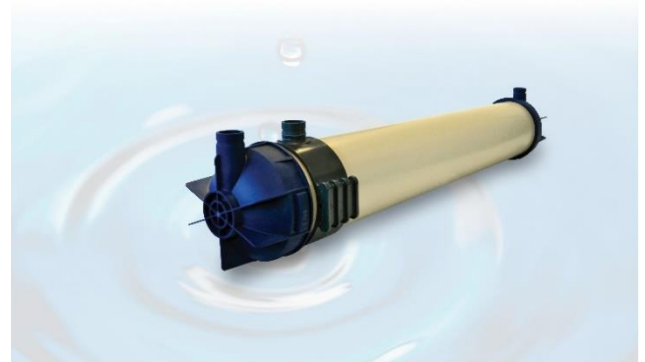


Figure 1: ZW700B-10060

Product Specifications Element Data

Description	ZW700B-10060/UF8/7B/S/0.9/60
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 (66.22 +/- 0.06 inch)
Distance feed connectors	1596 +/-1.5 mm (62.83 +/- 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 (2" Victaulic)
Feed connection OD	2" Victaulic (2" Victaulic)
Housing OD	250 mm (10 inch)
Element OD at endcap	321 mm (13 inch)
Weight	31.5 kg (69 lbs.)

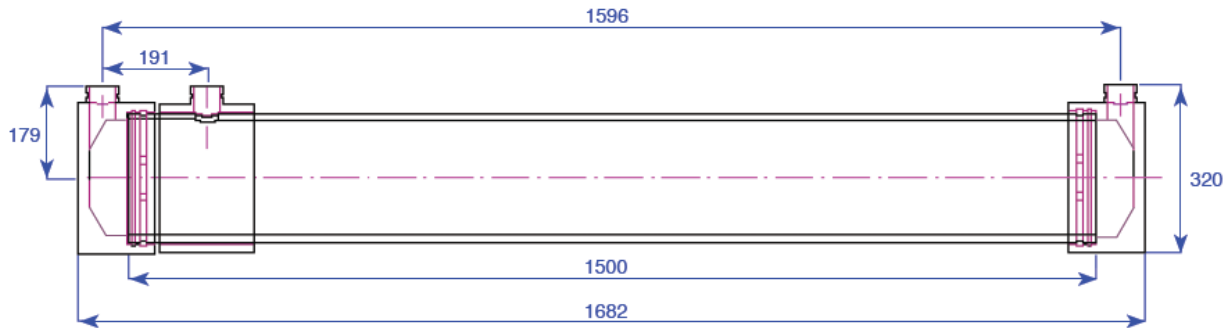


Figure 2: ZW700B-10060 Dimensions

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	Modified PES
Type	SevenBore
Diameter bores ID	0.9 mm (0.04 inch)
Diameter fiber OD	4.0 mm (0.16 inch)
Area	60 m ² (646 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 7 bores – provides high mechanical strength (>10x that of single fibers) and chemical resistance
- 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).