Water Technologies & Solutions
fact sheet

ZeeWeed* ultrafiltration (UF)

model: ZW700B-10060 without end-caps

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 without end-caps (Figure 1) contains our SevenBore* fiber technology with an inside-out flow orientation. The SevenBore fiber is regarded as the most robust polyether sulfone (PES) product on the market.

Figure 1: ZW700B-10060 without end-caps

product specifications element data

Description	ZW700B-10060/UF8/7B/V/0.9/60
Material housing	PVC
Material endcap	GFR-Polyamide
Housing length	1485 +/-1 mm (58.5 +/- 0.04 inch)
Element length	1485 +/-1 mm (58.5 +/- 0.04 inch)
Distance permeate element center	164 +/- 1 mm (6.5 +/-0.04 inch)
Distance head-permeate connector	2" Victaulic
Permeate connection OD	2" Victaulic
Housing OD	250 mm (10 inch)
Weight	30 kg (6.6 lbs)

typical process conditions

Description	Measurement
Maximum temperature	40°C (104°F)
Max pressure	5 bars (72.5 psi)
TMP maximum	2.5 bar (36 psi)
Backwash/forward flush maximum	250 l/m²h (150 gfd)
pH range during operation	2 to 11

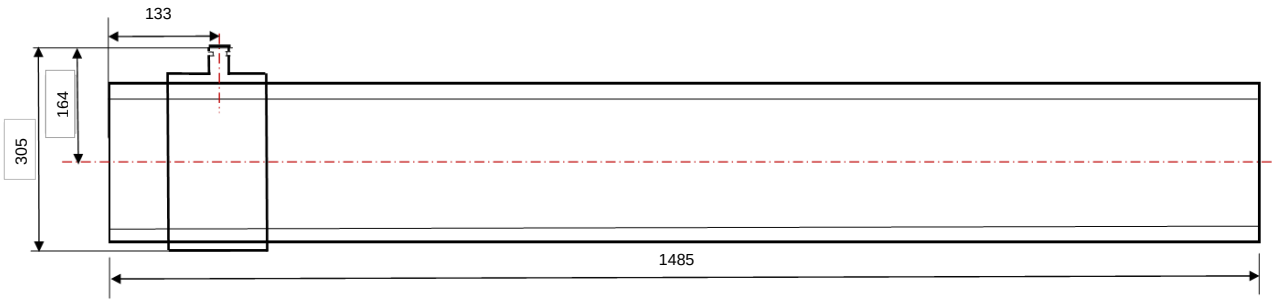

Figure 2: ZW700B-10060 without caps Dimensions

membrane type

Description	Measurement
Material	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).

contact us

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