

ZeeWeed* Ultrafiltration (UF)

Model: ZW700B-8060A

Description and Use

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

The ZeeWeed 700B-10060 (Figure 1) 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.

Product Specifications Element Data

Description	ZW700B-
Material housing	PVC
Element length socket	1527 mm (60 inch)
Element length threaded	1537 mm (61 inch)
Permeate connection ID	42.6 mm (1.7 inch)
Housing OD	220 mm (8.7 inch)
Element OD	200 mm (7.9 inch)
Weight	19 kg (42 lbs.)

**Without screw ends provided separately

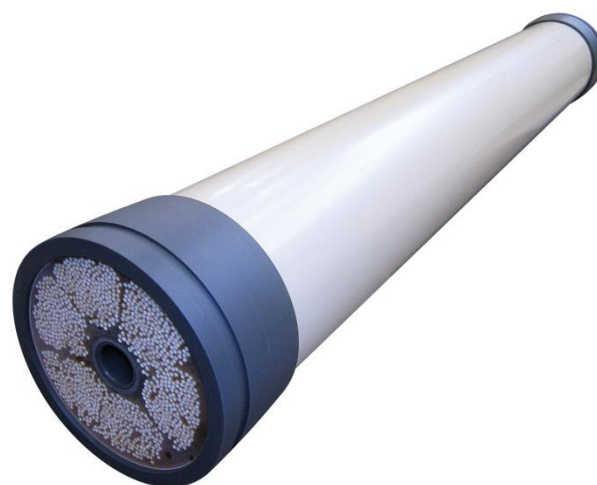


Figure 1: ZW700B-8060

Typical Process Conditions

Description	Measurement
Maximum operating temperature	40°C (104°F)
Maximum operating pressure	4 bar (58 psi)
Trans Membrane Pressure (TMP) operation	<1.0 bar (<14.5 psi)
TMP maximum	2.5 bar (36 psi)
Backwash/forward flush	250 lm ² /h (150 gfd)
pH range during operation	2 to 11



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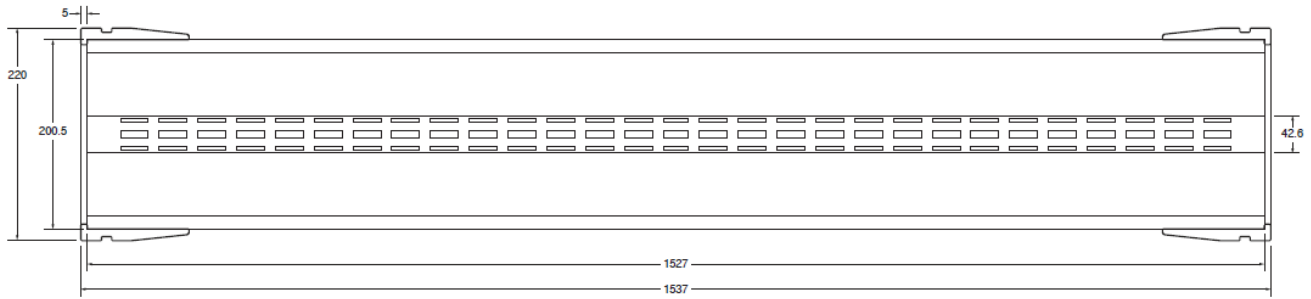


Figure 2: ZW700B-8060 Dimensions

Membrane Type

Description	Measurement
Material	PES
Type	SevenBore®
Diameter bores ID	0.8 mm (0.03 inch)
Diameter fiber OD	3.6 mm (0.14 inch)
Nominal Pore Size	0.02 µm
Area	40 m ² (431 ft ²)

Cleaning

Description	Measurement
Soaking time during cleaning	5 minutes
Cleaning pH range	1.0-13.0
Disinfecting Chemical: 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 (20x 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 GE's UF products, please contact your GE account representative or visit gewater.com.