

ZeeWeed* Ultrafiltration (UF)

FACT SHEET

Model: ZW700B-8060, Horizontal, NSF Certified
Full Model Name: ZW700B-8060/UF10/7B/X/0.8/40

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-8060 (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 2).



Figure 1: ZW700B-8060, horizontal

Product Specifications Element Data

Description	ZW700B-8060/UF10/7B/X/0.8/40
Material housing	PVC
Housing length	1527 +/-1.0 mm (60 +/- 0.04 inch)
Permeate connection ID	42.6 +/- 0.5 mm (2 +/-0.02 inch)
Element OD	200 mm (8 inch)
Weight	19 kg (42 lbs.)



Figure 2 SevenBore membrane fiber

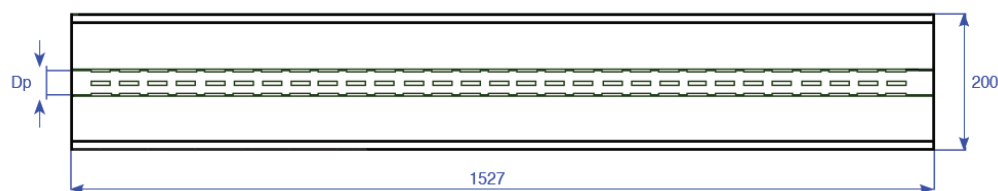


Figure 3: ZW700B-8060 Dimensions

Typical Process Conditions

Description	Measurement
Maximum operating temperature	40°C (104°F)
Maximum operating pressure	7.5 bar (109 psi)
Trans Membrane Pressure (TMP) operation	<1.0 bar (<14.5 psi)
TMP maximum	2.5 bar (36 psi)
Backwash/forward flush	250 l/m ² h (150 gfd)
pH range during operation	2 to 11

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)
Area	40 m ² (431 ft ²)

Cleaning

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

NSF/ANSI 61

NSF/ANSI Standard 61: Drinking Water Systems Components – Health Effects by most governmental agencies that regulate drinking water supplies. NSF/ANSI 61 sets health effects criteria for many water system components including:



Certified to
NSF/ANSI 61

- Mechanical devices (water meters, valves, filters)
- Process media (filter, media, ion exchange resins)
- Non-metallic potable water materials

Complete list of products available on NSF website.

General Properties & Benefits

- UF membrane - for optimal removal of particulates, bacteria and viruses
- PES membrane fibers with 7 bores - provides high mechanical strength (>10x that of a single bore fiber) and chemical resistance
- Inside-Out filtration – eliminates air scouring step and additional related equipment
- NSF Certified
- Permanently hydrophilic allowing for decreased fouling tendency and longer lifetime.
- Increased efficiency due to open outer surface

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).

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