

# ZeeWeed\* ultrafiltration (UF)

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, SUEZ 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).

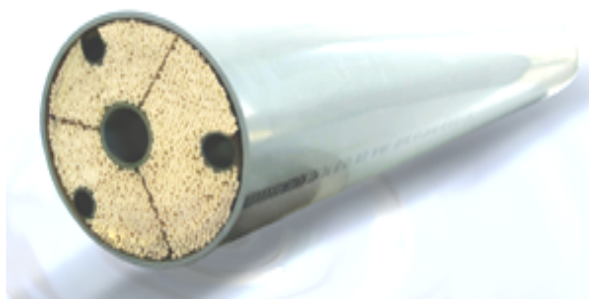


Figure 1: ZW700B-8060, horizontal

## 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

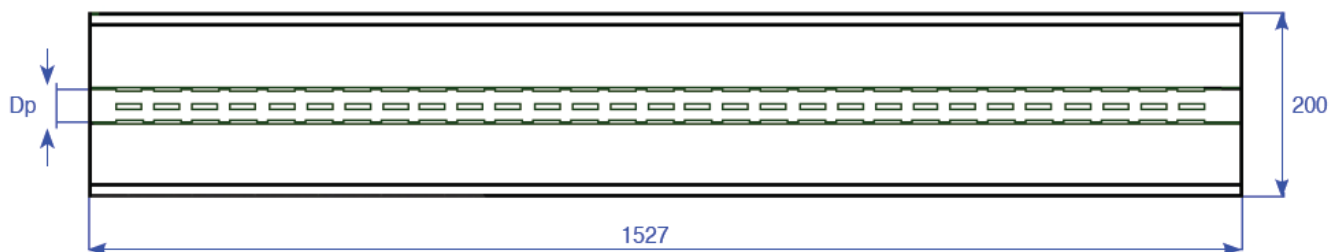


Figure 3: ZW700B-8060 Dimensions

## 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 <sup>2</sup> 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 <sup>2</sup> (431 ft <sup>2</sup> )

## cleaning

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

- 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.



Certified to NSF/ANSI 61

## 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).

## contact us

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

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