



filtration

**Technical
datasheet**

WED225 HYDRAcap 60E+

Hollow fiber ultrafiltration element for water and
wastewater applications

WED225 HYDRAcap60E+

General Information

The WED225 HYDRAcap60E+ element is designed for water treatment, as well as industrial and municipal wastewater reuse. These elements are specially designed for installation inside pressure vessels. They excel in removing turbidity, suspended solids, and virus and bacteria. The modules offer outstanding pH and chlorine resistance.

Membrane characteristics

Membrane material	Modified PES
Membrane fiber inner diameter	0.8 mm (0.031")
Pore size	0.02 µm
MWCO ¹	150 kDa
Filtration mode	Inside-Out; Horizontal
Operation mode	Dead-end

Operating Conditions ²

Typical flux	50 – 100 l/m ² /h (30 – 60 gfd)
Backwash flux	100 – 250 l/m ² /h (60 - 150 gfd)
Max. system pressure ³	Refer to specifications of pressure vessel supplier
Max. transmembrane pressure ³	3 bar (44 psi)
Max. backwash pressure ³	3 bar (44 psi)
Max. active chlorine concentration	500 ppm @ pH>10
Max. cumulative active chlorine exposure	250,000 ppm-hours @ pH>10
Max. particle size	200 µm
Max. TSS	100 ppm
Max. turbidity	50 NTU
Max. Temperature during operation & cleaning	40°C (104°F)
pH range during operation	2-12
pH range during cleaning	1-13

¹ Molecular Weight Cut Off (MWCO) is an estimation as it depends on size, shape, charge and polarity of the compound being tested, as well as test conditions. Measured with dextran.

² The limitations shown here are for general use. The values may be more conservative for specific projects to ensure the best performance and longest life.

³ Maximum pressures at 20°C (68°F).

WED225 HYDRAcap60E+

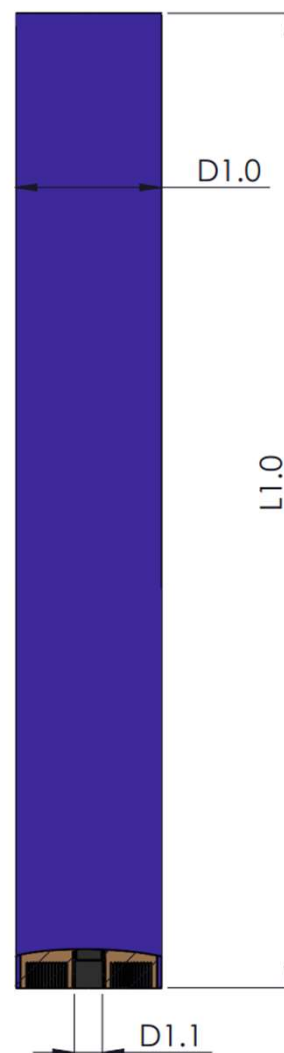
Element Specification

Materials of Construction

Housing	PVC
Internals	MBS, PP, Noryl
Potting	Epoxy resin

Dimensions

Membrane Surface Area	56 m ² (323 ft ²)
L1.0	1506 mm (59.29")
D1.0	225 mm (8.86")
D1.1	43.2 mm (1.70")



Available Element type

WED225 HYDRAcap60E+

Product-Code	SETUF0036
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Storage Information

New elements in original packaging can be stored for max. 1 year from shipping date in a dry place, protected from sunlight or any heat source, at temperatures between 1 and 40°C (33 and 104°F);

Ex-factory storage solution: 84wt% water, 15wt% glycerin and 1wt% sodium metabisulfite;

WED225 HYDRAcap60E+

Weight Information

Weight	WED225 HYDRAcap60E+
Dry weight Element	34.5 kg (76 lbs)
Filled Element	84 kg (185 lbs)

Shipping Information

Each module is individually packed in a vacuum sealed plastic bag. For small quantities, modules and endcaps are shipped in separate cardboard boxes:

- Shipping weight per element: 42.5 kg (94 lbs.)

For large shipments, modules are loaded in a wooden crate with a max. of 14 elements per crate:

- Crate dimensions: 100 x 126 x 173 cm; 40 x 50 x 68 in (L x W x H);
- Shipping weight per crate (14 elements): 675 kg (1488 lbs.)

Weight stated is shipping weight including preservative solution.

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