

Product Data Sheet

C-MEM™ Filter Cartridge 6 / 12

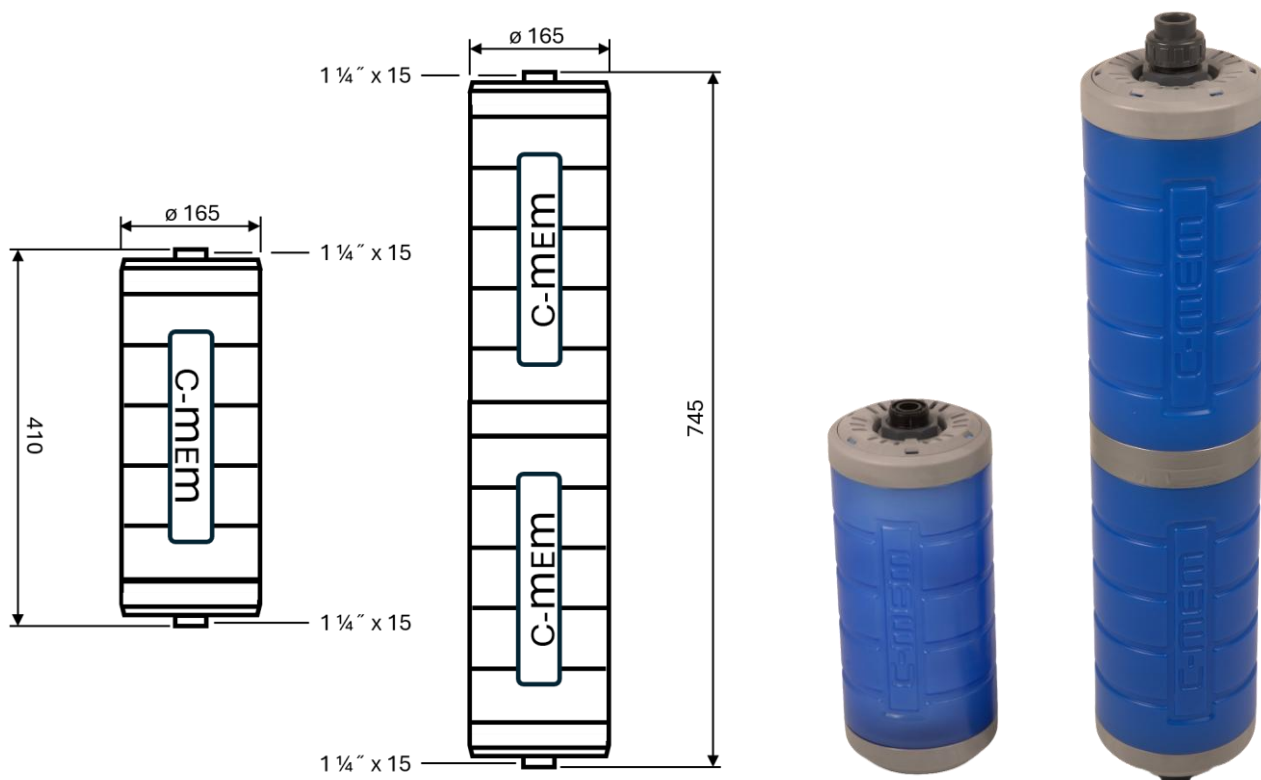
Water Ultrafilter

PRODUCT DESCRIPTION The C-MEM™ filter cartridges are an innovative, universally applicable ultrafiltration unit for raw water and drinking water treatment. The C-MEM™ filter cartridges contain the PFAS-free, C-MEM™ hollow fibre membrane for removing particulate turbidity, bacteria, and viruses. They are used in drinking water treatment (C-MEM™ Zero & MembraConnect™) in pressure vessels and in wastewater treatment (C-MEM™ 64-6/12) as a submerged unit in suction mode.

C-MEM™ MEMBRANE	Material:	HD-PE (High Density-Polyethylene)
	Medium pore size:	20 nm (0.02 µm)
	Dimensions:	Ø: 0.4 / 0.2 mm (AD / ID)
	Bundle:	1400 fibres
	Filter area per bundle:	1.5 m²
C-MEM™ FILTER CARTRIDGE 6	Quantity of bundles:	4
	Filter area:	6 m²
	Dimensions:	H: 410 mm x Ø: 165 mm
	Weight:	1.3 kg
	Connections:	1 ¼" External thread (air scouring, optional) 1 ¼" External thread (clean water)
C-MEM™ FILTER CARTRIDGE 12	Quantity of bundles:	8
	Filter area:	12 m²
	Dimensions:	H: 742 mm x Ø: 165 mm
	Weight:	2.25 kg
	Connections:	1 ¼" External thread (air scouring, optional) 1 ¼" External thread (clean water)
FEED REQUIREMENTS	Temperature range:	4 – 40° C / 39 - 104°F
	Solids content:	< 10 mg/l
	Dissolved substances:	< 1,000 mg/l
OPERATION INFORMATION	Flow*: 6 / 12	
	- Gravity driven, 2 meters	1.6 / 3.2 l/min
	- Pump driven, 2 bar	16 / 32 l/min
		* dependent on degree of contamination and temperature
	Pressure:	0.2 – 6.0 bar
	Max. transmembrane pressure:	3.0 bar
	Max. backwash pressure:	0.5 bar
	Max. free chlorine (25°C / 77°F):	5000 ppm (9.5 pH)
	Max. total chlorine contact:	1.0 Mio ppm (hrs cumulative)

PRODUCT HIGHLIGHTS

- Removal of particulate turbidity, bacteria and viruses up to 99.9999% (log 6 / log 5)
- EN ISO 9308 removal-tests based on Escherichia coli (ATCC 8739), Enterococcus Faecium (ATCC 19433), Brevundimonas diminuta (ATCC 19146) and Pseudomonas Phage Phi 6 (ATCC 59135)
- Membrane and other materials are in accordance with European Regulation EU No. 10/2011 and No. 1935/2004 for the use with drinking water
- Simple assembly/disassembly in a bigger system due to standard threaded connections
- No regular filter replacement needed. Service life of up to 10 years
- Low maintenance, easy cleaning, intervals dependent on degree of contamination
- Gravity- or pump-driven operation possible (max. 60 m / 6 bar)
- Designed and made in Europe



The information contained in this document is deemed to be accurate and reliable. Nevertheless, it should not be construed as conferring any warranty or guarantee of performance. Dimensions and membrane geometry are subject to modification due to production and process enhancements. No responsibility, obligation, or liability is assumed for any outcomes or damages resulting from the utilization of the unit.