

# Submersed Ultra-Filtration (UF) Membrane Cartridges

## U765 Hollow Fibre UF Membrane

### Specification\*

Configuration	Hollow fibre, submersed & braided
Material	Hydrophilic modified PAN / PVDF
Fibre size (ID / OD)	1.0 mm / 1.8 mm; 0.7 mm / 1.2 mm
Recovery*	> 95%
U765 surface area	45 m <sup>2</sup> (484 square feet) / membrane
Pore size, nominal	0.02 - 0.05 micron
Flow rate / Cartridge	River / bore water: 1.5 - 1.8 m <sup>3</sup> /hr
Dimesion, weight	30 x 24 x 170 cm, 33 kg / membrane

\*Subject to feed water condition

### Operating Process

Operating temperature	< 50°C
Max. TMP (suction)	< 0.5 bar
Max. backflush TMP	< 0.5 bar
Max. instantaneous chlorine concentration**	< 5,000 ppm
Max. chlorine tolerance^	< 800,000 ppm
MLSS range	4,000 - 10,000 ppm
pH Range	3 - 9 (operating); 2 - 11 (CIP)
Filtration	Out-to-In
Re-generation	Air pulse / CIP

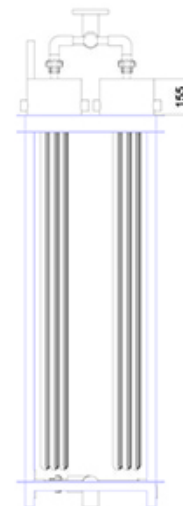
\*\*For up to 2 hours ^Maximum chemical tolerance for estimated life of membranes

### Typical Process Condition

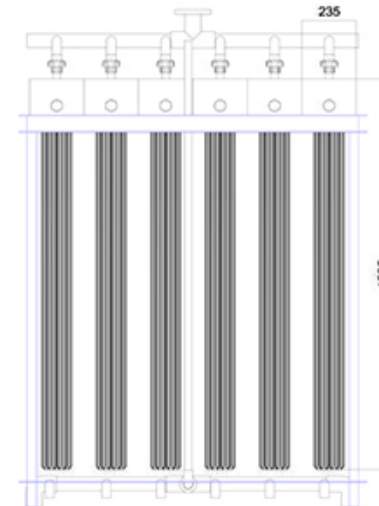
Operating filtrate flux*	10 - 45 Lmh
Peak operating flux*	50 Lmh
CEB chemicals	NaOCl
CIP chemicals	Citric acid or NaOCl

\*Subject to temperature and application

### Side View



### Front View



### Top View

