

Ultrafiltration skid



Features:

- *Removal of TSS/turbidity*
- *Up to 4-log removal of bacteria and viruses*
- *Removal of TOCs with addition of a coagulant*
- *Superb filtrate even with variable raw water quality*
- *Cleaning chemical agents minimized*
- *Low operating cost*
- *Simple operation*

Operating Parameters

Typical turbidity after UF: 0.1 NTU

Typical turbidity before UF: 4-100 NTU

Inlet pressure: 4-100 psi

Temperature: 1-40°C

Equipment & Instrumentation

Flow meters on permeate and concentrate

Temperature transmitter on permeate

Multiple pressure indicators

Air Scour, CEB, or CIP units as required

Chemical injection systems as required

Control panel with Auto/Manual controls

Intuitive HMI interface, data logging software

Option of remote monitoring with addition of modem

Low pressure pumps as required

Materials of Construction

PVC white vessels or modules

PVDF or PES membranes

NSF certified materials

Corrosion resistant SS pumps

Frame: carbon steel 2-coat epoxy painted

PVC Schedule 80 piping

NEMA 4 Control enclosure

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UF-Pentair

Model:	Typical Flux at 25°C:	Material:	Surface Area:	Max. Pressure:	Config:	Cleaning**
Aquaflex 64™	27 l/m ² /h	PES*	64 m ²	300 psi	Inside-out	Air scour, CIP, CEB

UF-Dow

Model:	Typical Flux at 25°C:	Material:	Surface Area:	Max. Pressure:	Config:	Cleaning**
IntegraPac™	40-110 l/m ² /h	PVDF*	20-64 m ²	90psi	Outside-in	Air scour, CEB, CIP

UF-Inge

Model:	Typical Flux at 25°C:	Material:	Surface Area:	Max. Pressure:	Config:	Cleaning**
Dizzer XL™	60-180 l/m ² /h	PESM*	25-80 m ²	72psi	Inside-out	Air scour, CEB, CIP

UF-Hydranautics

Model:	Typical Flux at 25°C:	Material:	Surface Area:	Max. Pressure:	Config:	Cleaning**
Hydracap™	34-110 l/m ² /h	PVDF*	105 m ²	73psi	Outside-in	Air scour, RC, CIP

*In general PES-membrane material is less resistant to chlorine and chemical cleans than PVDF

**Type and frequency of cleaning depends on raw water quality, RC=Maintenance & Recovery Clean injection of chemical into water stream rather than backwash system

OEM for membrane manufacturers:



bipurewater.com


North American
award winning design
& manufacture



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