

UFLEX™ MK3

Ultrafiltration

Uflex™ MK3 ultrafiltration systems are skid-mounted, reliable and compact solutions for removing suspended solids, most bacteria and log4 viruses.

Permeate Net Flow:

- 5.8 to 27.1 m³/hr (min. 50 lmh / max. 110 lmh) per skid
- 27 to 108 m³ for two up to four skids in parallel



Features & Benefits

- Fully automatic operation with no operator involvement
- Automatic Hydraulic backflush & CEB backwash with connections
- Integrated and simple use controller for easy operation and maintenance
- Module vertical mounting for space saving
- Skid modular and flexible design enabling easy production capacity extension
- One controller to manage up to 4 skids in parallel mode for cost saving

Options

- Inlet control valve
- CEB backwash station with dosing pumps
- Backwash buffer tank to complete the CEB station above
- PLC automation with Siemens S7

Applications

- Industrial process water*
- Swimming pool water
- Water recycling and reuse

* No drinking water agreement

Type of water to be ultrafiltered

- City water
- Well water
- Surface water*
- Waste water*

* Coagulant dosing unit is necessary before filtration process and/or module recirculation pumps (excluded from our scope)

Related Services

Local after-sales service and support teams offer preventative and corrective maintenance programs to ensure the long-term, efficient operation.

Hydrex Chemicals

Hydrex 4000 water treatment chemicals from Veolia Water Technologies should be used for optimised operation.

Performance

Model		64/1-P	128/2-P	192/2-P	256/4-P
No. of elements		1	2	3	4
Membrane Area	m ²	64	128	192	256
Operating TMP	bar	0.5 – 1.0	0.5 – 1.0	0.5 – 1.0	0.5 – 1.0
Permeate Flow	m ³ /h (net)	3 – 6.8	6 – 13.5	9 – 20.3	12.1 - 27.1
Flux Ref. Min/Max	l/hr/m ²	50 - 110	50 - 110	50 - 110	50 - 110

Multi skids		1 x256-4P	2x256-4P2	3x256-4P3	4x256-4P4
Nb of skids		1	2	3	4
Nb of elements per skid		4	4	4	4
Membrane area	m ²	256	512	768	1024
Operating TMP	bar	0-5-1.0	0-5-1.0	0-5-1.0	0-5-1.0
Permeate Flow Min/Max	m ³ /hr (net)	12.1 - 27.1	24.2 - 54.2	36.3 - 81.3	48.4 - 108.4
Flux ref. min/max	l/hr/m ²	50 - 110	50 - 110	50 - 110	50 - 110

Dimensions

Model (One skid)		64/1-P	128/2-P	193/3-P	256/4-P
Height	mm	2218/2138*	2224/2144*	2241/2151*	2276/2194*
Depth	mm	795	795	795	795
Width	mm	1648	1657	2635	2655
Feed	DN	40	50	65	80
Permeate	DN	40	50	65	80
Drain	DN	40	65	65	80
Backwash Water	DN	40	65	65	80
Filling Line Backwash Water Tank	DN	32	50	50	50

* with / without legs

Feed Water Supply Quality	Units	Typical value
City water/ Well/ surface water or waste water*		
Max TSS**	ppm	<20
Particle size	µm	<200
Max System Pressure	bar	6
Max Operating Temperature	°C	40

* For waste or surface, coagulation unit is needed in front

** Above 20ppm TSS, to be validated by the Product Manager.

Electrical Supply

All models 380/415V, 3 phases, 50Hz standard.

Visit our website: www.veoliawatertechnologies.com/uflex/en/

In keeping with the progressive nature of the company, we reserve the right to amend details without notice.
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CIP Water Pumping Station