

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 l/h / max. 110 l/h) per skid
- 12 to 54 m³/4 with 2 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
- One control cabinet for 2 units

HYDREX® CHEMICALS

Hydrex™ 4000 water treatment chemicals from Veolia Water Technologies are recommended for optimized plant operation.



APPLICATIONS

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

**No drinking water agreement (Consult us for DW version)*

TYPE OF WATER TO BE ULTRAFILTERED

- Backwash buffer tank to complete the CEB
- City water station above
- 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 of installed plant.





Performance

Model		64/1-P	128/2-P	192/3-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		1x256/4-P	2x256/4-P
Nb of skids		1	2
Nb of elements per skid		4	4
Membrane area	m ²	256	512
Operating TMP	bar	0.5-1.0	0.5-1.0
Permeate Flow Min/Max	m ³ /hr (net)	12.1 - 27.1	24.2 - 54.2
Flux ref. min/max	l/hr/m ²	50 - 110	50 - 110

Dimensions and connections

Model (One skid)		64/1-P	128/2-P	192/3-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

* with / without legs

Feed Water Standard 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 water, 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.