

招金膜天超滤膜组件设计导则

ZHAOJIN MOTIAN UF Module Design Standard

UF design parameter reference table

process variable	tap water (NTU < 1 =	ground water (NTU < 5 =	surface water (NTU < 5 =	surface water (NTU < 25 =	surface water (NTU > 25)	deep treatment industrial wastewater (NTU < 20 =	Reclaimed Water (NTU < 20 =	Sea water (NTU < 5 =
Design Flux (L/m ² .hr.25°C)	70-100	60-100	60-90	50-80	50-70	50-70	50-70	60-80
Recovery (%)	90-98	90-98	90-95	85-95	85-95	80-90	80-90	90-95
Security Filter (μm)	50-100	100	100	100	100	100	100	100
Operational Mode	Dead-end flow or Cross flow	Dead-end flow or Cross flow	Dead-end flow or Cross flow	Dead-end flow or Cross flow	Cross flow	Cross flow	Cross flow	Cross flow
Back Flush Frequency (min)	40-60	40-60	30-60	30-45	30	30-40	30-40	30-60

Back Flush Duration (min)	1	1	1	1	1	1	1	1
Backwash Flux	1.5 or 2 times than the flux	1.5 or 2 times than the flux	1.5 or 2 times than the flux	1.5 or 2 times than the flux	1.5 or 2 times than the flux	1.5 or 2 times than the flux	1.5 or 2 times than the flux	1.5 or 2 times than the flux
Backwash Pressure (MPa)	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2	0.1-0.2
Down Wash Frequency	Before back flush	Before back flush	Before back flush	Before back flush	Before back flush	Before back flush	Before back flush	Before back flush
Down Wash Duration (sec)	10	10	10	10	10	10	10	10
Forward Wash Frequency	After back flush	After back flush	After back flush	After back flush	After back flush	After back flush	After back flush	After back flush
Forward Wash Duration (sec)	5	5	5	5	5	5	5	5