

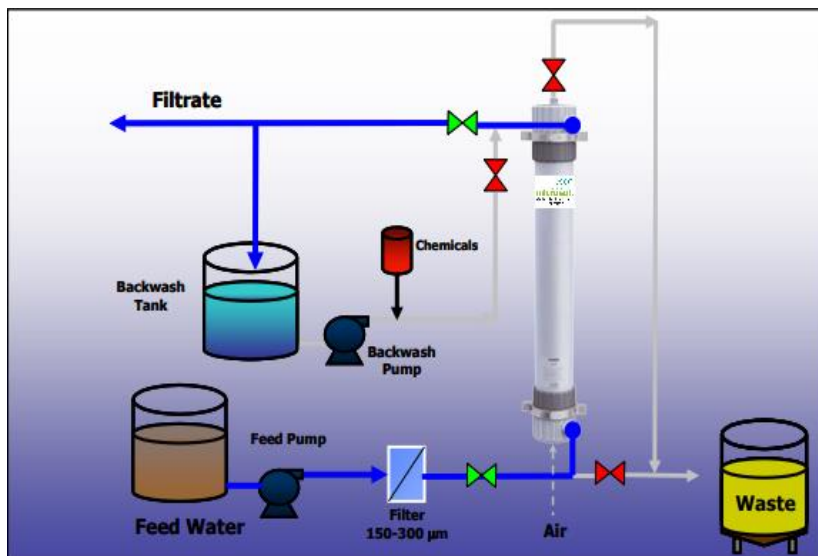
# PRODUCT DATA SHEET



## Ultrafiltration (UF) System

### OVERVIEW

Microsolll's Ultrafiltration (UF) Systems are designed to treat water, with < 50 NTU of Turbidity, < 50 mg/L Suspended Solids (TSS), < 50 mg/L of COD and < 10 mg/L of DOC. The standard treatment process involves pre filtration (auto self cleaning filter) and CIP systems for membrane cleaning. The Waterland UF Systems are available as skid mounted or containerised systems.



ADDITIONAL FLOW RATES AND CUSTOMISED SOLUTIONS ARE AVAILABLE. JUST ASK US.

### STANDARD SPECIFICATIONS

Parameter	Units	UF-1	UF-2	UF-3	UF-4	UF-5	UF-6	UF-7	UF-8	UF-9	UF-10
Permeate Flow Rate	m <sup>3</sup> /h	2,5	5	7,5	10	12,5	15	20	25	30	40
Permeate Recovery Rate	%	80 - 90									
Raw Water Turbidity	NTU	< 50									
Raw Water TSS	mg/L	< 50									
Raw Water COD	mg/L	< 50									
Raw Water DOC	mg/L	< 10									
Raw Water pH	-	7,0 – 7,5									
Product Water Turbidty	NTU	< 1									
Product Water TSS	mg/L	< 1									
Design Temperature	°C	15 ~ 25									
UF Water Inlet Pressure	bar	2 – 3									
Power Supply	-	AC 220-380-450 V, 3 Phase, 50/60 Hz									
No. Containers (Optional)	-	1 x 20'	1 x 20'	1 x 20'	1 x 20'	1 x 20'	1 x 20'	1 x 20'	1 x 20'	1 x 20'	1 x 20'

# STANDARD INCLUSIONS + OPTIONS

✓ = Standard Supply, o = Optional Supply, - = Not Applicable

Equipment	UF-1	UF-2	UF-3	UF-4	UF-5	UF-6	UF-7	UF-8	UF-9	UF-10
Skid Mounted Plant & Equipment	✓	✓	✓	✓	✓	✓	✓	✓	✓	✓
Feed Pump	o	o	o	o	o	o	o	o	o	o
Pre-Treatment Unit	Auto Self Cleaning Filter	✓	✓	✓	✓	✓	✓	✓	✓	✓
Membrane CEB/BW System		✓	✓	✓	✓	✓	✓	✓	✓	✓
CEB/BW Pumps	Std Efficiency	✓	✓	✓	✓	✓	✓	✓	✓	✓
PLC Control System with HMI		✓	✓	✓	✓	✓	✓	✓	✓	✓
Container with Insulation & climated		o	o	o	o	o	o	o	o	o
Premium Instrumentation Package		o	o	o	o	o	o	o	o	o
Permeate Distribution Pump Set		o	o	o	o	o	o	o	o	o

Instrumentation	Standard Package
Pressure Gauges	✓
Pressure Transmitters (4-20 mA)	o
Flow Gauges (Rotameters)	✓
Flow Transmitters (4-20 mA)	o
Turbidity Meter (4-20 mA)	o
Float Switches (Chemical Dosing & CIP Tanks)	✓
Remote Monitoring & Control Capabilities	o

NEED A QUOTE?

Complete this table and  
e-mail to...

[info@microsoll.com](mailto:info@microsoll.com)

