

Ultra Filtration Systems

The AVRO Ultra Filtration System is a fully pre-designed and engineered Ultra Filtration skid range with flows from 1m³/hr through to 70m³/hr. Whilst the systems are pre-designed, we can custom design to suit your client's requirements. We can place your logo on the system and manual.

The AVRO Ultra Filtration System features a compact space saving design, high quality components and offers high performance. The systems are designed for simple user-friendly controls, rugged construction, minimum energy consumption with lower maintenance and operation costs. Systems are enabled plug and play with pre-treatment and post treatment variations options as required at certain sites.

Standard Features

- 304 stainless steel frame
- UPVC high pressure housings
- SS304 feed pump
- SS304 backwash pump
- Automatic controlled valves
- Powder coated carbon steel control panel
- PLC controlled
- In-line rotameter
- Pressure gauge across membranes
- Pressure gauge across pre filtration
- CEB enhanced backwash
- Full documentation and operator manuals



Additional Options

- Variable speed pump controls
- PLC controlled with 10" colour HMI screen with user interface and BMS output
- Web based internet monitoring
- Integrated CIP cleaning skid
- Online monitoring of water quality
- Contact us for more options



Operating Parameters

Inlet Specifications

- Maximum inlet turbidity: 200NTU
- Temperature range: 5-45 °C
- Operation pH range: 2-13

Outlet Specifications

- Product outlet turbidity: ≤0.07 NTU
- Product outlet SDI: <2
- MWCO, nominal: 50K Dalton

- Maximum feed pressure: 4Bar (60PSI)
- Maximum Trans-membrane Pressure: 2Bar (30PSI)
- Membrane life span: 3-5years
- Membrane style: inside/Out
- Membrane material: PS Modified
- Recovery rate: 90%-95%
- Design Average: 60LMH

Product Code	Capacity (m3/h)	Motor (kw)	UF Membrane	Membrane Quantity	Dimension L*W*H (mm)	Ship weight (kg)
AVROUF-0601	1.0	0.55	MTUF-PSS-6040	2	1200*600*1600	50
AVROUF-0602	2.0	0.75	MTUF-PSS-6040	4	1600*600*1600	75
AVROUF-0804	4.0	0.75	MTUF-PSS-8040	4	2100*1300*1850	180
AVROUF-0806	6.0	1.	MTUF-PSS-8040	6	2500*1300*1850	310
AVROUF-0808	8.0	1.	MTUF-PSS-8040	8	2800*1300*1850	380
AVROUF-0810	10.0	2.	MTUF-PSS-8040	10	3100*1300*1850	480
AVROUF-1015	15.0	3.	MTUF-PSS-1060	6	2500*1380*2100	450
AVROUF-1020	20.0	4.	MTUF-PSS-1060	8	2800*1380*2100	580
AVROUF-1025	25.0	4.	MTUF-PSS-1060	10	3100*1380*2100	680
AVROUF-1030	30.0	5.	MTUF-PSS-1060	12	3400*1380*2100	850
AVROUF-1040	40.0	5.	MTUF-PSS-1060	16	4300*1500*2150	1100
AVROUF-1050	50.0	7.	MTUF-PSS-1060	20	4900*1500*2150	1400
AVROUF-1060	60.0	11.0	MTUF-PSS-1060	24	5500*1500*2150	1750
AVROUF-1070	70.0	11.0	MTUF-PSS-1060	28	6000*1500*2150	1950



