

ULTRAFILTRATION HOLLOW FIBRE MEMBRANE FILTRATION

Introducing the AVRO®-UF-0802 Ultrafiltration unit, the perfect solution for efficient water treatment in a wide range of applications. Our pressurised ultrafiltration module features outside-in filtration and utilizes advanced PVDF fibre technology.

The AVRO®-UF-08 series is designed with our proprietary Hydro-Flex Hyper PVDF, a permanently hydrophilic material that provides exceptional performance with high permeability, low fouling, and high mechanical strength. This ensures reliable and consistent water treatment, even in challenging conditions.

Our ultrafiltration modules are versatile and can be used in a variety of settings, from industrial and municipal wastewater treatment to surface water and seawater (SW option) treatment applications. With the AVROUF Ultrafiltration unit, you can trust that your water treatment needs will be met with efficiency and reliability.

Benefits:

- Easy to use HMI display
- Small footprint
- Removal of colloids, suspended solids less than 1.0 micron and Bacteria
- Barrier against bacteria and viruses
- 95% water recovery
- Ability to program chemically assisted backwash
- Air scour backwash
- Hydro-Flex Hyper PVDF membrane
 - High tensile strength
 - Large flux
- Constant permeate quality at varying feed water TSS levels



Configuration		Hollow Fiber
Operation Process		Dead-end filtration, air scouring with backflush
Recovery		90- 95%
Operating Pressure		< 55kpa (feed)
		< 98kpa (backflush)
Operating Temp.		< 50C
Product Turbidity		< 0.1 NTU (subject to feedwater condition)
Power	MTUF-0801	220-240v 50hz 2.0kw Single Phase
	MTUF-0802	220-240v 50hz 1.4kw Single Phase
Dimensions	MTUF-0801	1.2L X 0.85W X 2.3H 80kg
	MTUF-0802	1.2L X 0.85W X 2.3H 130kg

Working Capacity

(Guide only, actual performance dependant on raw water quality)

Model	TOWN WATER	RIVER/ BORE	TREATED WASTEWATER
MTUF-0801	2.0 m3 /hr	1.0 m3 /hr	1.0 m3 /hr
MTUF-0802	4.0 m3 /hr	2.0 m3 /hr	1.5 m3 /hr

LARGER UNITS AVAILABLE – SKID MOUNTED OR CONTAINERISED

System Includes:

- 8" x 60" PVDF Membranes
- Raw Water Supply Pump
- Stainless Steel Backwash Pump
- Motorised Slow -Close Control Valves
- Feed, Air & Backflush Gauges
- Oversized Product Flow Meter for easy reading
- Air-Scour Blower
- Stainless Steel Frame
- Electrical Control Panel with PLC & HMI
- Raw Water Pre-Filter

Options

- Chemically assisted backwash
- Interface with pre treatment
- CIP

