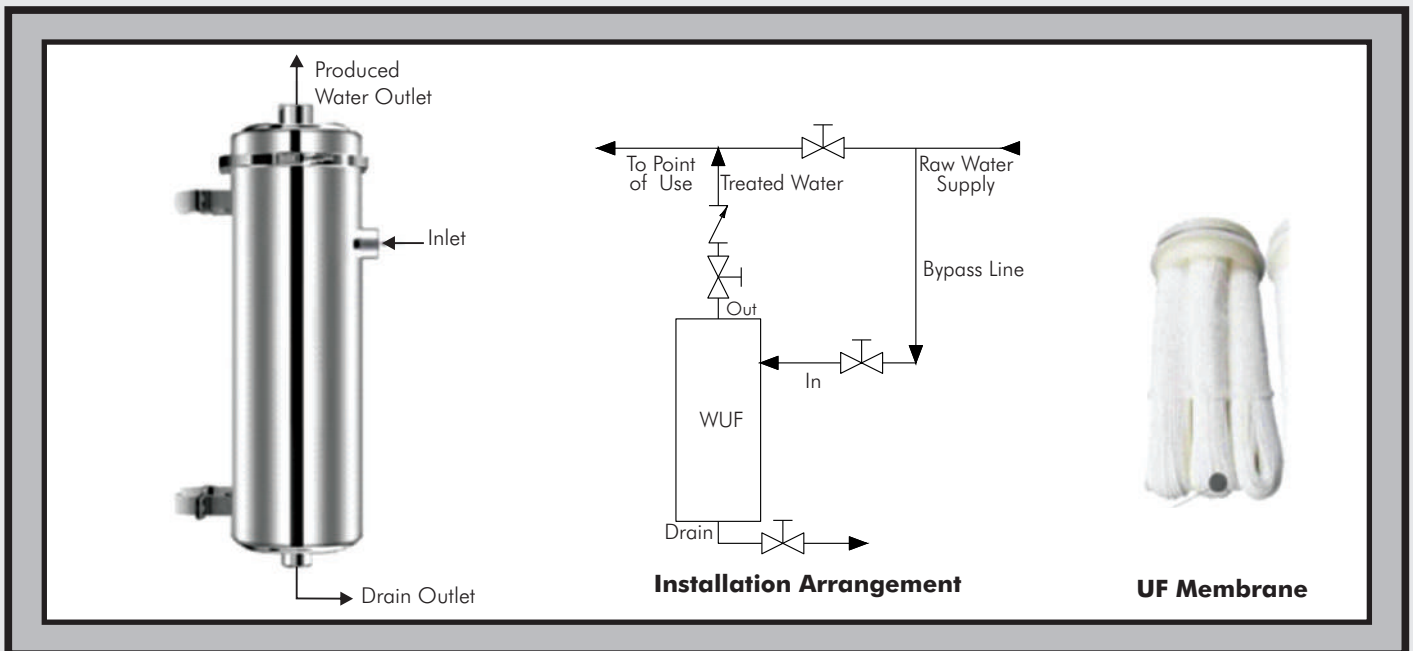




WUF

Ultrafiltration Water Treatment Module



The Dayliff WUF ultrafiltration water treatment module is specially designed for the removal of small size suspended solids and colloidal pores including macromolecular pollutants, bacteria, viruses and microorganisms as small as 0.01 micron in raw water from boreholes and municipal water sources. The unit includes a high quality 304 stainless steel housing into which the UF membrane is contained that can be removed by opening the clamped end. The membrane operates at full flow output and is periodically simply flushed by reversing the water flow and draining the accumulated silt to waste by changing the valve configuration or occasionally removed and washed to clean embedded silt, frequency depending on raw water quality. For higher treated water volumes the units can be connected in parallel. Units should be installed vertically with the drain outlet at the bottom to ensure effective rinsing.

The hydrophilic PVDF Fibres used in the membranes provide exceptionally high quality output water strained of silt and microorganisms and Dayliff WUF Treatment Modules are an excellent solution to domestic and small scale water requirements where assured drinking water quality is demanded.

OPERATING PARAMETERS

Feed Water Quality: Turbidity < 100 NTU, TDS < 1000ppm, Iron < 0.3ppm, Oil/Grease - Nil

Operating Pressure: < 4Bar

Maximum Operating Trans Membrane Pressure (TMP): 1Bar

Operating pH Range: 2-11

Operating Temperature Range: 5-40°C

Flushing Frequency: Depended on water quality, typically 2-4 times per day

TECHNICAL SPECIFICATIONS

Parameter	
Flow Rate	up to 2m ³ /hr depending on water quality
Maximum Feed Pressure (Bar)	4
Membrane Area (m ²)	11
Length (mm)	800
Inlet/Outlet (")	1
Drain (")	½
Diameter (mm)	159
Dry Weight (kg)	11.5