

UF1080 MOBILE ULTRAFILTRATION

#MOBILEWATERSOLUTIONS
#WATERTREATMENT

Logisticon Water Treatment b.v.

Logisticon Mobile Water Solutions has several mobile ultrafiltration installations for hire with capacities from 3 up to 200 m³/h. These are available as skid mounted units or integrated in a container. All mobile UF systems are equipped with Inge Dizzer® XL ultrafiltration modules. This UF installation is able to produce up to 80 m³/h purified water depending on possible fluxes.

Possible applications

- Treatment / purification of lake, river and well water
- Re-use of waste water and other process water flows
- Production and purification of cooling water
- Ideal pretreatment prior to nano filtration, reverse osmosis or demineralization
- Elimination or reduction of suspended solids from various process water flows
- Reliable blocking of microorganisms and viruses such as Legionella, Clostridium Perfringens and Cryptosporidium



Typical filtrate quality

SDI (15 minutes) < 3 ideal pretreatment prior to reverse osmosis
Turbidity < 0.02 – 0.1 NTU max.
Microorganisms, suspended solids and particles
> 0.02 µm removed > 99.99%

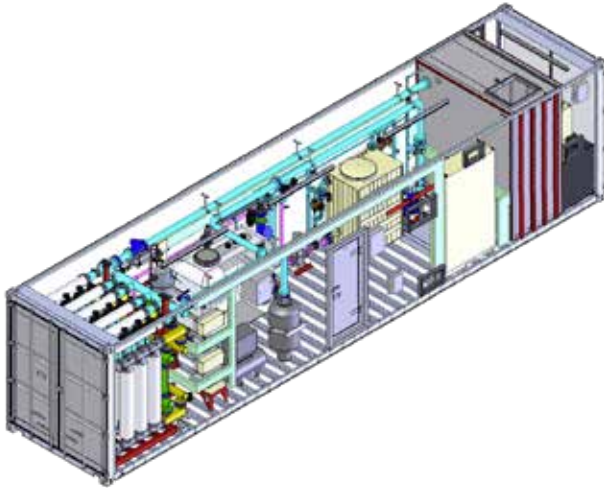


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Plug & Play

With appropriate preparation, the system can be made operational within a few hours. On site, service engineers only need to connect the source water, purified water, drains, power and remote control connections once the site is made available and approval has been given.



Planned temporary hire or for emergency & disaster management

Logisticon Mobile Water Solutions: ideal for ensuring continuity of production, plant commissioning applications or for temporary extra water supplies. They may be deployed as stand-alone units or combined for temporary or emergency needs.

Mid- and long-term hire solutions

Logisticon Mobile Water Solutions has Europe's largest fleet of mobile water treatment solutions. The systems use a wide range of proven water purification technologies. They can be rented to provide medium- or long-term solutions for your specific needs.

UF1080 Mobile Ultrafiltration

A solid mobile insulated 40 ft High Cube container with integrated ultrafiltration installation and accessory equipment.

Container	Insulated with lighting, heating and airconditioning	Feed water temperature range	1 - 40°C
Measurements Container (LxWxH)	12,192 x 2,438 x 2,890 mm 40 ft HC container	Integrated buffers	Intake buffer and coagulation tank 2.5 m ³ Purified water buffer approx. 6 m ³ Chemical cleaning buffer 0.8 m ³ and integrated heaters
Shipping / Operating-weight container	+/- 12,000 kgs (26,500 lbs) +/- 23,000 kgs (50,700 lbs)	Piping	Stainless Steel 316L and PVC (process water) and HDPE and PP (blower)
Connections: Water (steel coated DIN flanges)	DN100 raw water / feed water DN100 purified water / filtrate DN100 discharge water / waste water	Feed, filtrate and backwash pump	Stainless Steel frequency regulated
Power	400 V, 160/125 Amp. 3ph, neutral, earth	Pre filter	Automatic cleaning 300 - 400 µm
Membranes	6 x 3 UF inge dizzer® XL membranes type 0.9 MB 60 m ²	Control system	PLC Siemens with Scada, data logging & remote controls (mobile 3G network or WAN connection)
(alternative membranes)	6 x 4 UF inge dizzer® XL membranes 1.5 MB 40 m ²	Chemical storage / dosing systems	Flocculent, caustic, acid (3 x 300 liters), active chlorine 100 liters incorporated
Pore size inge dizzer® membrane	+/- 0.02 µm		
Capacity at a nett flux of: (total 1080 m² membrane surface area)	50 l/m ² /h → 54 m ³ /h 65 l/m ² /h → 70.2 m ³ /h 75 l/m ² /h → 81 m ³ /h Lower capacities possible		



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