



**TECHNOL d.o.o.**  
ENGINEERING & GRP PRODUCTION L.r.d.

# COMPACT UF UNITS ULTRA-TECH

Technol produces compact ultrafiltration units for the filtration of water. It removes bacteria, viruses, colloids and silts thereby producing **high-quality drinking water**. The design of the UF unit is with a UF membrane, sand and mechanical pre-filtration. All on a compact skid, which **can be easily transported** to locations where the ULTRA-TECH unit is needed.



The **ULTRA-TECH** compact UF units can be used for treating:

- Surface water
- Ground water
- Waste water



**Main points:**

- Pre-designed systems, which reduces installation costs
- Modular structure, easily expandable
- Easy and quick installation
- Easy transportation
- Can be installed in existing plant rooms or in a standard sea container

**Technical data:**

- Capacity from 2,5m<sup>3</sup>/h
- UF membrane INGE, from PESM material, pore size ~0,02µm;
- Pump with frequency regulator – filtration;
- Pump with frequency regulator – backwash;
- Sand filter;
- Screen filter 200µm;
- Pneumatic valves with limit switches;
- Pressure sensors, flow meter, pressure gauges;
- Dosing pumps for chemicals;
- Tank filtered water for washing UF membrane;
- Control panel with microprocessor-controlled PLC system for automatic management, an user friendly touch screen display showing operating parameters as pressure, flow rate, time filtration and backwash, position of each valves, alarm for faults, history...;



**Technical data of compact ULTRA-TECH standard units:**

	Capacity	el. supply	el. power	Tank *	Sewage flow rate	Dimension
Model	m <sup>3</sup> /h	V	kW	D (mm)	m <sup>3</sup> /h	HxWxL (m)
UT 2.5	2,5	400	3,00	1.000	15	2,0x0,9x2,2
UT 5	5	400	4,00	1.200	25	2,0x0,9x2,7
UT 7.5	7,5	400	4,80	1.400	40	2,0x1,0x3,2
UT 10	10	400	5,80	1.600	50	2,0x1,2x3,2

\* Tank height for all models is 2.250mm, which fits in a standard container.

**Larger capacity units are available upon request.**



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