

# AZUD

WATERTECH

## AZUD WATERTECH GW Grey water recycling



### AZUD WATERTECH GW DU solution

- ✓ Ultrafiltration membranes treatment, to remove suspended solids, bacteria and viruses bigger than 0.03 micron, which guarantee the quality of potable water regardless of variations in raw water quality.
- ✓ Guaranteed membranes protection thanks to our patented pre-filtration disc system AZUD HELIX AUTOMATIC.
- ✓ High water treatment capacity in minimum footprint. Modular removable to pass through any standard door.
- ✓ Closed metal cabinet to protect electromechanical and control equipment.
- ✓ No need of chemicals reagents and unnecessary consumables which generate cost and dependence.
- ✓ Fully autonomous operation, ensuring the water quality and the maximum equipment protection. No need of qualified and permanent staff.
- ✓ Very compact and modular plant, with simple and immediate installation and commissioning. Without civil works. Without setbacks.

Grey water recycling plant AZUD WATERTECH GW DU, to treat water from showers, bathtubs and sinks to reuse in toilets and irrigation of green areas.



Greywater collect



Treated water supply



### Standard features

- SS submersible grinder supply pump
- Oxidant dosing
- Coagulant and flocculant dosing
- AZUD HELIX AUTOMATIC Disc filtration
  - Technical plastic filters with grooved discs.
  - Automatic valves for backwash.
- Ultrafiltration membranes filtration
  - PVDF/PES hollow fibre UF membranes (out-in filtration) in PVC vessels.
  - Air blower pump for air rough.
  - Automatic valves for air rough and backwash.
- Backwash and CEB skid
  - Ultrafiltrate tank and SS pump.
  - Backwash oxidizer dosing.
- Chlorine residual dosing
- Measurement and control equipment
  - Pressure switches; Inlet/Outlet and Max/Min.
  - Digital pressure transmitters and digital flow meters.
- Electrical panel and automation and control system
  - Electric circuit breakers, motor starters, relays, etc.
  - PLC and HMI providing full automatic control.
- Framework, piping and electric connections. Testing
  - Metal cabinet.
  - Pipes, accessories and valves for hydraulic line.
  - Electrical connections equipments-electrical panel.
  - Hydraulic and electric bench testing.

### Standard plant models:

Model AZUD WATERTECH GW	Maximum flow (m <sup>3</sup> /h   gph)	Dimensions (m) Largo x Ancho x Alto	Power installation KW
D1U2	2,0   440,0	2,5 x 0,8 x 2,3	4,66
D2U4	4,0   880,0	3,0 x 0,8 x 2,3	5,26
D3U6	6,0   1.320,0	3,5 x 0,8 x 2,3	7,51
D4U8	8,0   1.760,0	4,0 x 0,8 x 2,3	9,06