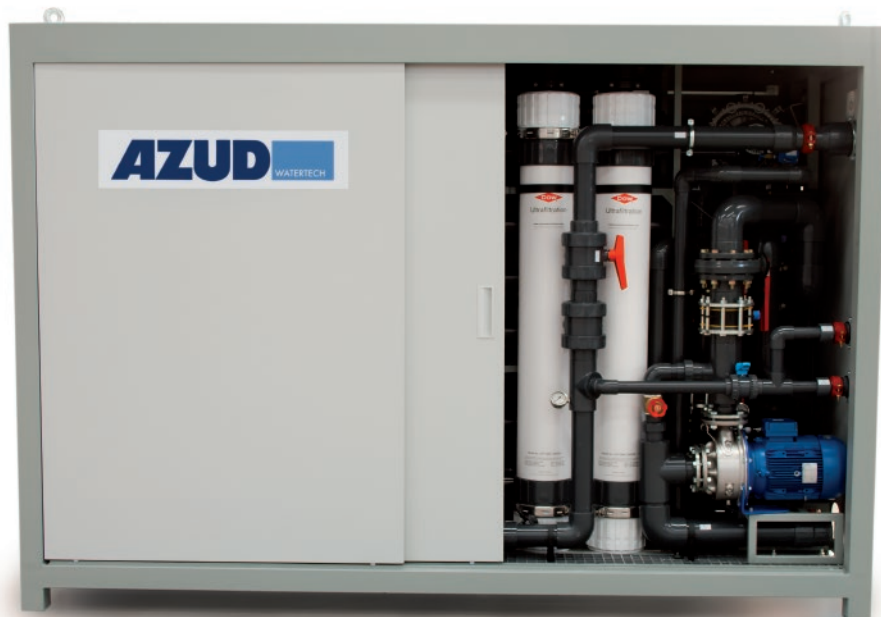


AZUD

WATERTECH

AZUD WATERTECH DW Purification of water with Ultrafiltration membranes



Drinking water plant AZUD WATERTECH DW DU, to provide the required standard of potable water for towns and industries through ultrafiltration membranes.

AZUD WATERTECH DW DU solution

- ✓ Ultrafiltration membranes treatment, to remove suspended solids, bacteria and viruses bigger than 0.03 micron, which guarantee the quality of drinking water regardless of variations in raw water quality.
- ✓ Guaranteed membranes protection thanks to our patented pre-filtration disc system AZUD HELIX AUTOMATIC.
- ✓ 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.



Human use



Human use



Standard features

- Disc filtration
 - Technical plastic filters with grooved discs.
 - Automatic backwashing; by time and/ or by differential of pressure.
- 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
 - Ultrafiltration tank and SS pump.
 - Backwash oxidizer dosing.
- Measurement and control equipment
 - Pressure switches; Inlet/Outlet and Max/Min.
 - Digital pressure transmitters and digital flow metersc.
- 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
 - Steel framework.
 - Pipes, accessories and valves for hydraulic line.
 - Electrical connections equipment-electrical panel.
 - Hydraulic and electric bench testing.

*For higher flow, contact the engineering area.

Standard plant models:

Model AZUD WATERTECH DW	Maximum flow (m ³ /h gph)						Dimensions (m) Largo x Ancho x Alto	Power installation KW
	<5 NTU		5-15 NTU		15-50 NTU			
D1U	3,0	660,0	2,00	440,0	2,0	440,0	2,0 x 0,6 x 2,3	1,67
D2U	7,0	1.540,0	5,0	1.100,0	4,0	880,0	2,5 x 0,6 x 2,3	4,18
D3U	10,0	2.200,0	8,0	1.760,0	6,0	1.320,0	3,0 x 0,6 x 2,3	5,97
D4U	14,0	3.080,0	11,0	2.420,0	8,0	1.760,0	2,0 x 1,0 x 2,3	6,37
D6U	21,0	4.620,0	16,0	3.520,0	12,0	2.640,0	2,5 x 1,0 x 2,3	7,07
D8U	28,0	6.160,0	22,0	4.840,0	16,0	3.520,0	3,0 x 1,0 x 2,3	4,46
D10U	35,0	7.700,0	28,0	6.160,0	20,0	4.400,0	3,5 x 1,0 x 2,3	10,77
D12U	42,0	9.240,0	33,0	7.260,0	24,0	5.280,0	4,0 x 1,0 x 2,3	12,77
D16U	56,0	12.320,0	45,0	9.900,0	32,0	7.040,0	4,0 x 1,0 x 2,3	15,92
D20U	71,0	15.620,0	56,0	12.320,0	40,0	8.800,0	3,0 x 2,0 x 2,3	17,95
D24U	85,0	18.700,0	67,0	14.740,0	49,0	10.780,0	3,5 x 2,0 x 2,3	17,95
D28U	99,0	21.780,0	78,0	17.160,0	57,0	12.540,0	4,0 x 2,0 x 2,3	26,10
D32U	113,0	24.860,0	90,0	19.800,0	65,0	14.300,0	4,5 x 2,0 x 2,3	29,60