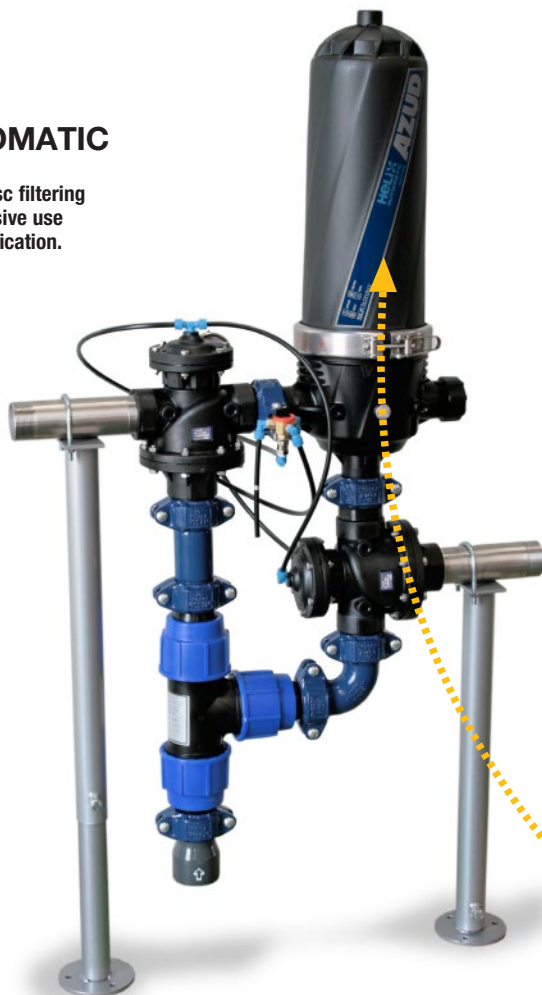


AZUD HELIX AUTOMATIC

AZUD HELIX AUTOMATIC SERIE 201 DLP

Self-cleaning equipment with disc filtering element and 2" valves for exclusive use for irrigation water filtration application.

Max. Flow: 24 m³/h (106 gpm)



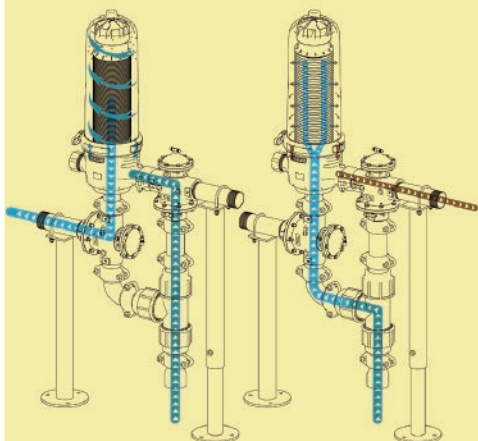
Ready to connect and operate thanks to AZUD FBC Control Unit, that allows complete automation of the equipment for different power supplies: 110-120; 220-240 V AC 50/60 Hz; 12 V DC.

ADVANTAGES

- ✓ **Disc filtration. Maximum safety.**
Its careful design and manufacture guarantee an extended lifespan, resistance and high filtration quality.
- ✓ **AZUD HELIX device.**
Patented clogging retardant device. Performance optimization, minimum frequency and intensity of the maintenance labours.
- ✓ **Self-cleaning filtering element.**
Maximum water saving and efficiency in backwashing phase. Large filtration area. Filtration degrees 100, 130, 200 and 400 micron.



TECHNOLOGY



FILTRATION PHASE: Water flows through the anti-clogging AZUD HELIX deflector before being in-depth filtered by the disc stack.

This device generates a centrifugal helical effect that throws the heaviest particles away from the disc stack. This AZUD's patent avoids the sudden clogging of the filter, minimizing the backwash frequency.

SELF-CLEANING PHASE: Backflushing valves reverse the flow direction allowing the water, previously filtered by the auxiliary filter, to flow in opposite direction. Thus, the backflushing is activated, the disc stack is decompressed, and the cleaning water flushes out the particles retained by the discs to the drainage.

The filtration phase is resumed when the disc stack is being compressed again.

During the self-cleaning phase, no production of filtered water is done.

- ✓ **Maximum ease of transportation and installation.**
Factory assembled equipment.
- ✓ **Manufactured in plastic materials.**
- ✓ **Low maintenance.**
No tools required. Maximum wear resistance of high quality moving parts.
- ✓ **Water and energy savings.**

AZUD Helix automatic

FILTRATION Maximum flow per filter

AZUD HELIX AUTOMATIC filter filtering surface 1.620 cm²

AZUD HELIX AUTOMATIC 201 DLP		micron mesh	400	200	130	100
			40	75	120	150
GOOD	m ³ /h gpm		24	106		
AVERAGE	m ³ /h gpm		20	88		
POOR	m ³ /h gpm		18	79		
VERY POOR	m ³ /h gpm		12	53		

AZUD HELIX AUTOMATIC SERIES 201 DLP

BACKFLUSHING PHASE	Disc Technology	
	MG	WS
Minimum backflushing pressure per filter	1.5 bar	1.3 bar
	22 psi	19 psi
Minimum backflushing flow per filter	2.5 l/s	2 l/s
	39 gpm	32 gpm

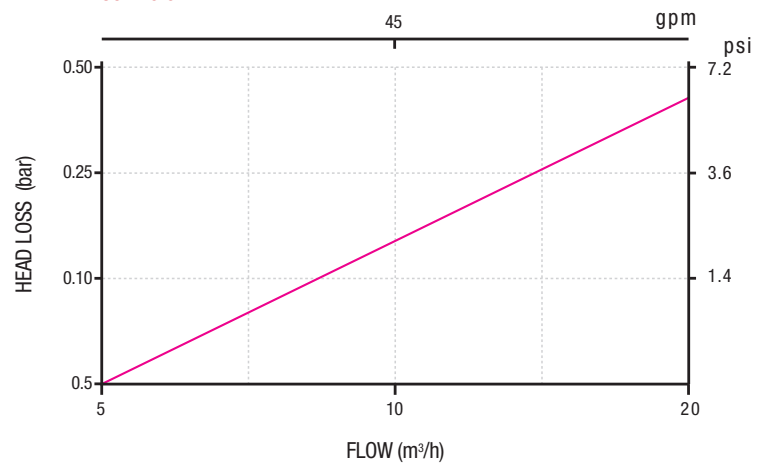
MATERIALS OF CONSTRUCTION

Housing	Polyamide reinforced with fiberglass
Filtering element	MG discs - Polypropylene WS discs - High density polyethylene
Sealing element	NBR
Backflushing valve	Reinforced technical plastic

4 < pH < 11 • Maximum pressure 10 bar / 145 psi • Maximum temperature 60 °C / 140 °F

AZUD HELIX AUTOMATIC 201 DLP HEAD LOSS

130 micron



201	Specifications					Dimensions											
	N. Filters	Inlet	Manifold Outlet*	Drainage*	Filtering surface cm ² in ²	F mm in	E mm in	L mm in	W mm in	R mm in	T mm in	S mm in	H mm in				
	2"x1	2" PVC glue	2" male thread BSP	2" male thread BSP	1620 251	571 22.5	270 10.6	842 33.1	247 9.7	894 35.2	151 6.0	644 25.4	1483 58.4				

*It is also available in male thread NPT.
Ask for the rest of configurations in www.azud.com

