

Self Cleaning Equipment with disc filtering element. Especial connections and valves are used to automate the system. Max. Flow: 24 m³/h (105 gpm).

AZUD FBC Control Unit allows backwash activation by time or pressure differential.



Controllers are available in 12 V, 110 V and 220 V. Options are available for High and Low pressure installations, as well as for sea water and saline water. Backwashing with compressed air is also a possibility.

ADVANTAGES

- ✓ **Disc Filtration. Maximum safety.** Its patented design and high quality materials used in manufacturing guarantee an extended life with high resistance.
- ✓ **AZUD HELiX.** Helix created Centrifugal Action optimizes the filtration performance and reduces backwash frequency and maintenance.
- ✓ **Self-cleaning filtering element.** Backwashing uses minimal water maintaining an efficient cleaning action. Large filtering surface. AZUD filtration units from 5 to 500 micron.



TECHNOLOGY

AZUD HELiX AUTOMATIC 201 filters and backwashes successively.

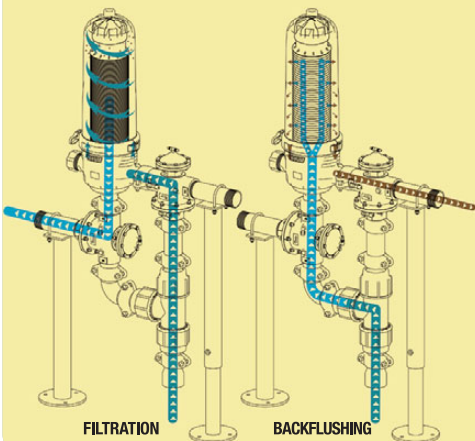
FILTRATION STAGE: The Helix generates a centrifugal helical effect upon entry into the filter, this moves the particles away from the discs.

The water then passes efficiently through the depth of the uniquely designed discs.

BACKFLUSHING STAGE: The clean water from the auxiliary filter is introduced from the reverse direction through the filtering element. This decompresses the stack of discs, allowing the discs to separate and backwash efficiently.

The solids are expelled from the discs and evacuated through the backwash manifold. The filtration process then restarts with the compression of the discs.

The backwash is controlled by a Control Unit.



- ✓ **Compact.** Maximum filtering surface in minimum dimensions.
- ✓ Compact assembled systems for easy transportation and installation.
- ✓ **Low Maintenance.** No tools required. Maximum wear resistance of high quality moving parts.
- ✓ **Water and energy saving.**

HELIX AUTOMATIC AZUD SERIES 201

FILTRATION Maximum flow per filter
 AZUD HELIX AUTOMATIC filter filtering surface 1492 cm² / 231 in²

	micron mesh	200 75	130 120	100 150
GOOD	m ³ /h gpm	24 105		
AVERAGE	m ³ /h gpm	20 88		
POOR	m ³ /h gpm	18 79		
VERY POOR	m ³ /h gpm	12 53		

Ask for other filtration grades and configurations to special installations.

AZUD HELIX AUTOMATIC 201 AA with compressed air for backflushing. Optimizing the filtration process with a minimum consumption of backflush water.

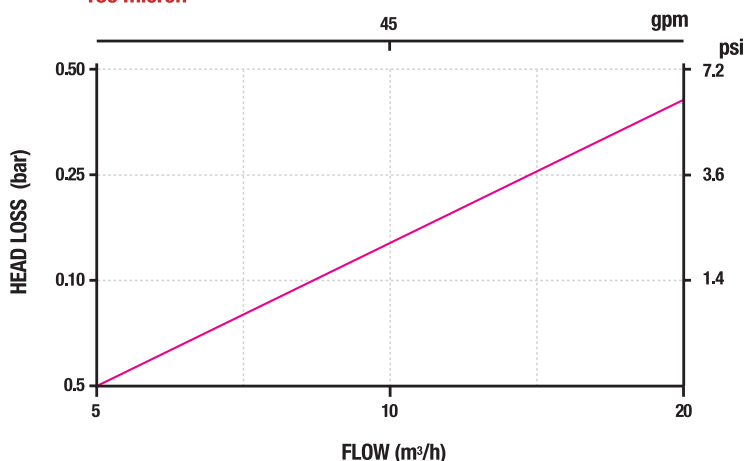
NOTE : The flow rate given by filter conditions the frequency of the backflushing activation.



BACKFLUSHING

	200 - 130 micron 75-120 mesh	100 micron 150 mesh
Minimum backflushing pressure per filter	2.8 bar 40 psi	3.5 bar 50 psi
Minimum backflushing flow per filter	2.5 l/s 39 gpm	3.1 l/s 50 gpm

AZUD HELIX AUTOMATIC 201 HEAD LOSS 130 micron



MATERIAL

Housing	Polyamide reinforced with fiberglass
Filtering element	PP grooved discs
Sealing element	NBR
Hidraulic valves	Plastic

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

	Specifications		Dimensions																	
	N. Filters	Manifold	Filtering surface		F	E	L	W	R	T	S	H								
		cm ²	in ²	mm	in	mm	in	mm	in	mm	in	mm	in	mm	in					
201		Inlet 2" PVC																		
	2"x1	Outlet 2" MT BSP	1492	231	572	23	270	11	842	33	262	10	894	35	151	6	644	25	1483	58
		Drainage 2" MT BSP																		

Ask for the rest of configurations in www.azud.com

AZUD HELIX AUTOMATIC 201

