

AZUD | HELIX automatic



300

Ø3" Self-cleaning disc filtration equipment with Ø3" 3-way backwash valves. for the removal of inorganic and organic suspended particles, with non- stop filtered water supply thanks to sequential backwash of each filter element.

Ideal for filtration of poor quality water and/or with organic fertilizers.

Características técnicas

- **Filtration technology:** Discs
- **Cleaning system:** Self-cleaning
- **Number of filters:** 2 - 8 filters x Ø3"
- **Material:** Polymeric
- **Nominal pressure:** PN10
- **Filtration degrees:** 100 - 400 micron



5
YEARS WARRANTY

Unique selling points



+ Protection

High filtration capacity, ideal for water with high particle loads

Guaranteed water quality thanks to AZUD 3D discs, with MG or WS technology, with both surface and in-depth particles filtration



+ Savings

Lower water consumption thanks to the patented AZUD HELIX device, which drastically reduces the backwash frequency

Minimum energy consumption thanks to AZUD DLP TECHNOLOGY, ensuring very high self-cleaning efficiency with low operation pressure



Reliability

High quality polymers providing robustness and high corrosion resistance

Minimum and tools-free maintenance, reducing time and labor required

Reliable and long-lasting operation, backed by 5 years warranty

Product range

Model	No. of filters	Filtration area	Max. flow rate (130 µ)	Manifold diameter I/O
		cm ²	m ³ /h	
302	2	3.240	64	4"
303	3	4.860	72	4"
304	4	6.480	128	6"
305	5	8.100	144	6"
306	6	9.720	144	6"
	6	9.720	192	8"
307	7	11.340	220	8"
308	8	12.960	220	8"

Available connections: DIN/ANSI flange and grooved

Drain manifold: Ø3" Grooved/PVC

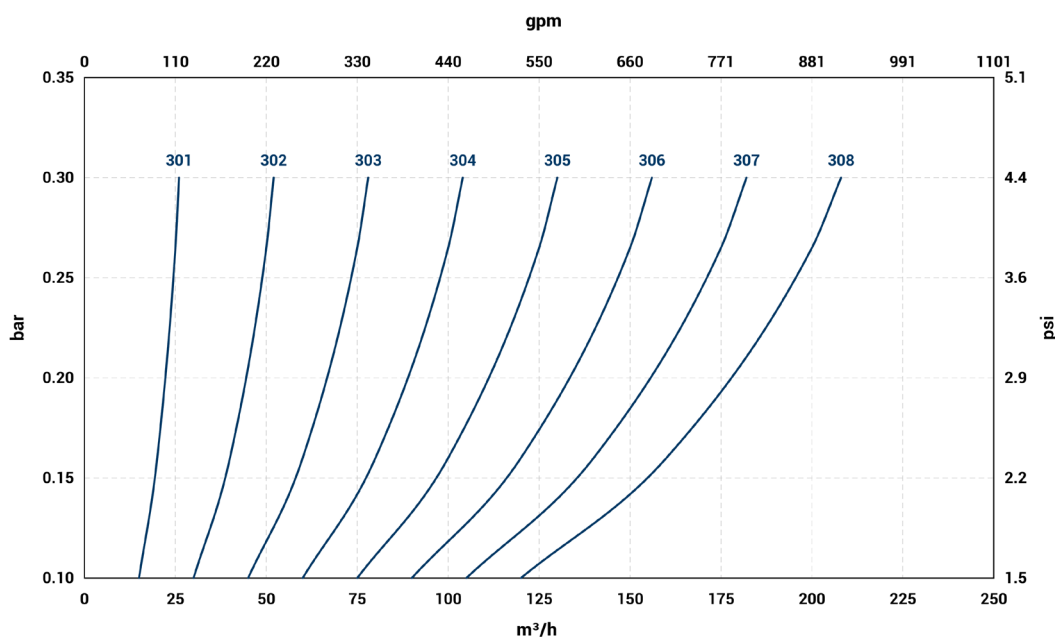
PN10

*AZUD FBC Controller unit not included with equipment.

Working condition

Type of water	TDS (mg/l)	Max. Working Pressure	Min. working pressure	Min. Backflushing pressure (bar)	Min. cleaning flow rate	pH	Water temperature
		bar	bar	bar	l/s		°C
Low salinity water	<6.000	10	0,8	1,5	2,5	4 - 11	60

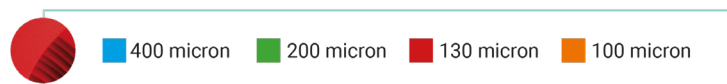
Head Loss Graph (Flow rate vs Pressure)



*The backwash frequency depends on the design flowrate. For hydraulic calculation, consider the set-point value for the self-cleaning cycle (0.5 bar/7.25 psi).

Head Loss: 130 micron discs

Filtration degrees



Materials of constructions - Filter

Type of water	Low salinity water
Base-lid	Glass fiber reinforced polyamide
Clamp	Stainless steel 304
MG/WS Discs	Polypropylene / High density polyethylene
Support structure	Glass fiber reinforced polypropylene
Spring	Stainless steel 302

Materials of constructions - Valve

Type of water	Low salinity water
Body	Glass fiber reinforced polyamide
Shaft - Seat - Spring	Stainless steel 303-304-302


Materials of constructions - Manifolds

Type of water	Low salinity water
Manifold body	High density polyethylene PE-100
Manifold flange connection	Aluminum
Grooved connection	High density polyethylene PE-100


Related products



**AZUD HELIX
AUTOMATIC 200**

**AZUD HELIX
AUTOMATIC FT200 AA**




AZUD FBC