

AZUD | HELIX automatic

FT200

Ø2" self-cleaning disc filtration system, with Ø2" 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.

Technical characteristics

- **Filtration technology:** Discs
- **Cleaning system:** Self-cleaning
- **Number of filters:** 1 - 12 filters x Ø2"
- **Material:** Polymeric
- **Nominal pressure:** PN10
- **Filtration degrees:** 5 - 400 micron



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	
FT201	1	1.620	24	2"
FT202	2	3.240	48	3"
FT203	3	4.860	72	3"
	3	4.860	72	4"
FT204	4	6.480	96	4"
	4	6.480	96	6"
FT205	5	8.100	120	4"
	5	8.100	120	6"
FT206	6	9.720	144	6"
FT207	7	11.340	160	6"
FT208	8	12.960	192	6"
	8	12.960	192	8"
FT209	9	14.580	216	6"
	9	14.580	216	8"
FT210	10	16.200	240	6"
	10	16.200	240	8"
FT211	11	17.820	264	8"
	11	17.820	264	10"
FT212	12	19.440	288	8"
	12	19.440	288	10"

Available connections: DIN 2576 flange, ANSI B16.5 CLASS 150 flange and grooved

Drain manifold: Ø3" Grooved/PVC

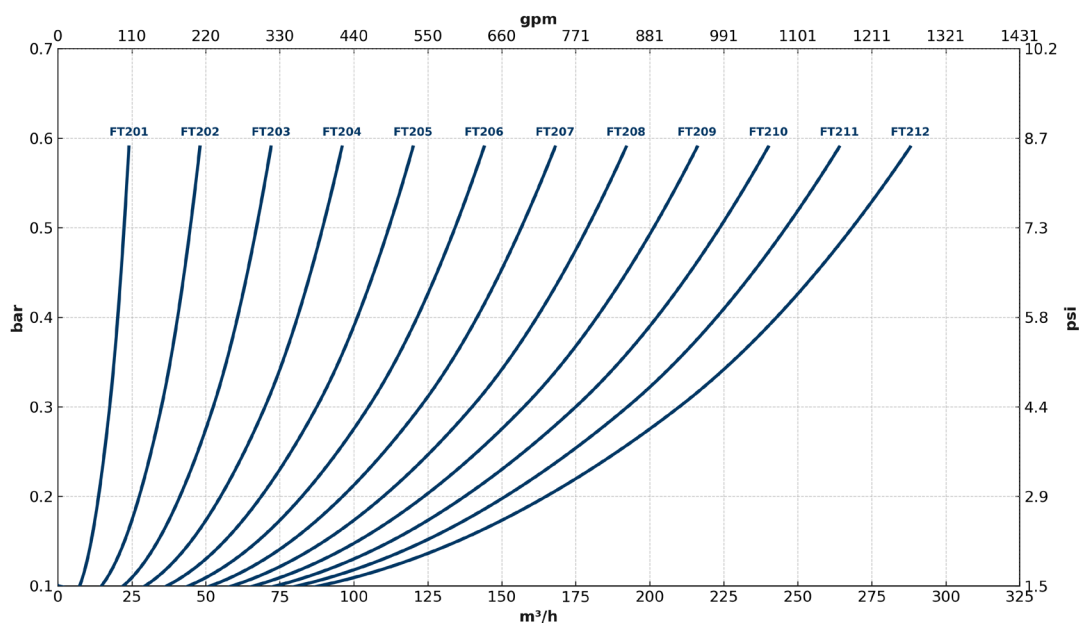
PN10

*AZUD FBC Controller unit not included with equipment.

Working condition

Type of water	Range	TDS (mg/l)	Max. Working Pressure	Min. working pressure	Min. Backflushing pressure	Min. Cleaning flow rate	pH	Water temperature
			bar	bar	bar	l/s		°C
Low salinity water	FT200	<6.000	10	0,8	1,5	2,5	4 - 11	60
High salinity water	FT200 SW	6.000 - 55.000	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	High salinity water
Base-lid	Glass fiber reinforced polyamide	Glass fiber reinforced polyamide
Clamp	Stainless steel 316L	Stainless steel 316L
MG/WS Discs	Polypropylene / High density polyethylene	Polypropylene / High density polyethylene
Support structure	Glass fiber reinforced polypropylene	Glass fiber reinforced polypropylene
Spring	Stainless steel 302	Hastelloy

Materials of constructions - Valve

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

Materials of constructions - Manifolds

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

Related products



AZUD HELIX AUTOMATIC
FT4DCL



AZUD HELIX AUTOMATIC
FT200 AA



AZUD FBC