



FT200 AA

Air-assisted filtration equipment with self-cleaning disc filters Ø2", with 3-way backwash valves Ø2" for the removal of inorganic and organic particles in suspension, with uninterrupted supply of filtered water.

Exclusive air-assisted backwash system for applications with high loads of organic particles and sticky particles, which guarantees a more effective automatic cleaning of the filter medium with lower water consumption. Ideal for filtration of poor quality water and/or water containing organic fertilisers.

Technical characteristics

- **Filtration technology:** Discs
- **Cleaning system:** Air-assisted self-cleaning
- **Number of filters:** 1 - 24 x Ø2" filters
- **Nominal pressure:** PN10
- **Material:** Polymeric



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 E/S
		cm²	m³/h	
FT201 AA	1	1.620	21	2"
FT202 AA	2	3.240	42	3"
FT203 AA	3	4.860	50	3"
	3	4.860	63	4"
FT204 AA	4	6.480	80	4"
	4	6.480	84	6"
FT205 AA	5	8.100	80	4"
	5	8.100	105	6"
FT206 AA	6	9.720	126	6"
FT207 AA	7	11.340	147	6"
FT208 AA	8	12.960	160	6"
	8	12.960	168	8"
FT209 AA	9	14.580	160	6"
	9	14.580	189	8"
FT210 AA	10	16.200	160	6"
	10	16.200	210	8"
FT210D AA	10	16.200	50	6"/4"
	10	16.200	196	8"/6"
	10	16.200	220	10"/8"
FT212D AA	12	19.440	60	6"/4"
	12	19.440	168	8"/6"
	12	19.440	264	10"/8"
FT214D AA	14	22.680	70	6"/4"
	14	22.680	196	8"/6"
	14	22.680	308	12"/8"
FT216D AA	16	25.920	80	6"/4"
	16	25.920	224	10"/8"
	16	25.920	352	12"/8"
FT218D AA	18	29.160	90	6"/4"
	18	29.160	252	10"/8"
	18	29.160	396	12"/10"
FT220D AA	20	32.400	100	6"/4"
	20	32.400	280	10"/8"
	20	32.400	440	12"/10"
FT224D AA	24	38.880	120	6"/4"
	24	38.880	296	10"/8"
	24	38.880	470	12"/10"

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

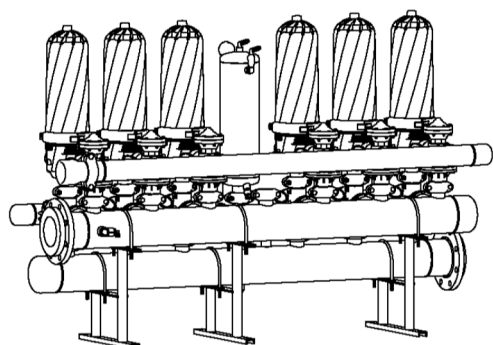
Drain manifold: Ø3" Grooved/PVC

AZUD FBC Controller unit not included with equipment.

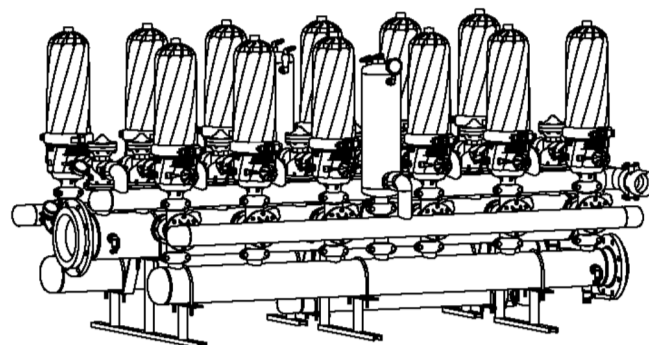
Filtration degrees



Configurations



FT200 AA

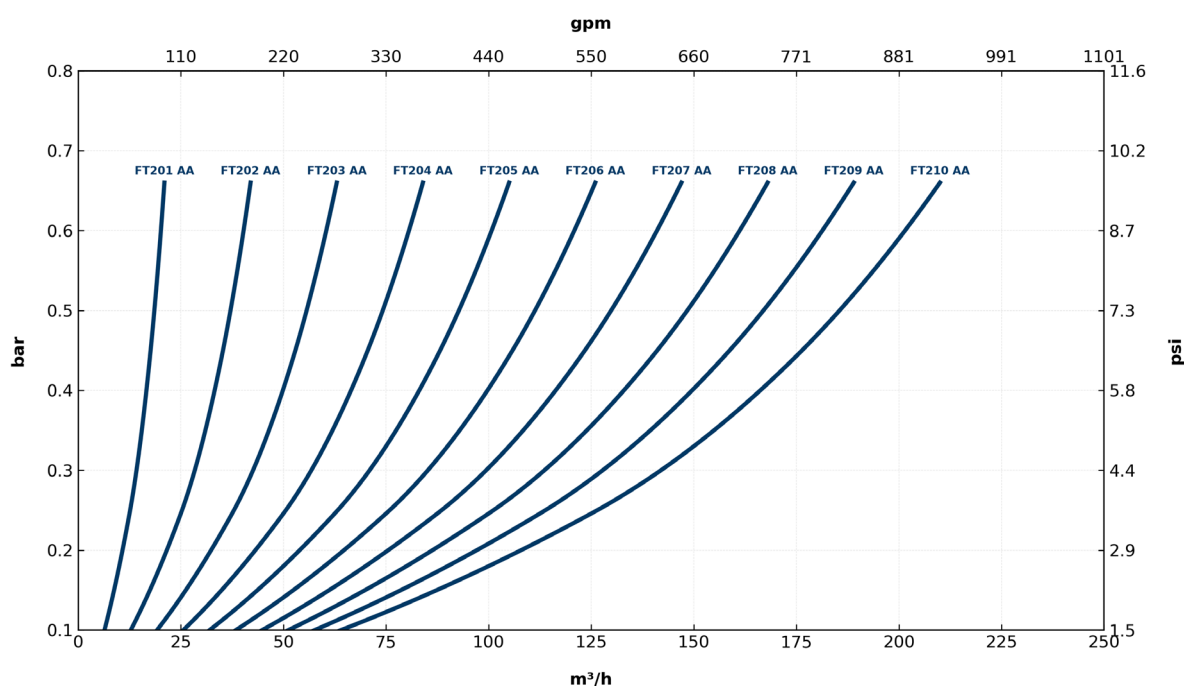


FT200D AA

Working condition

Type of water	Range	TDS (mg/l)	Max. Working Pressure	Min. working pressure	Min.	Min. cleaning flow rate	pH	Water	Min. air pressure	Max. air pressure	Airflow rate per time	Min. cleaning volume
			bar	bar				°C	bar	bar	l/s	l
Low salinity water	FT200 AA	<6.000	10	0,8	1,5	2,5	4 - 11	60	4,5	6	18	10
	FT200D AA	<6.000	10	0,8	1,5	2,5	4 - 11	60	4,5	6	36	20
High salinity water	FT200 SW AA	6.000 - 55.000	10	0,8	1,5	2,5	4 - 11	60	4,5	6	18	10
	FT200D SW AA	6.000 - 55.000	10	0,8	1,5	2,5	4 - 11	60	4,5	6	36	20

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

Construction Materials - Filter

Type of water	Low salinity water	High salinity water
Base-lid	Glass-fiber-reinforced polyamide	Glass-fiber-reinforced polyamide
Clamp	316L Stainless steel	316L Stainless steel
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
AA tank	Stainless steel 304	High density polyethylene

Construction Materials - 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 - Stainless steel DUPLEX - 316L Stainless steel

Construction Materials - 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 FBC




AZUD HELIX AUTOMATIC FT200




AZUD HELIX AUTOMATIC FT4DCL



AZUD FBC Controller unit not included with the equipment.