

Automatic

AZUD

Self Cleaning

Hydraulic

Wall System



DISC^{PP}_{HDPE}

HELiX Effect

Multi Grooved

Air Asisted

Electric

Disc Low Pressure

Anti Clogging

SCREEN

AZUD LUXON



Flex Protect System

Plug & Play System

Fine Filtration



GEOFLUID

Evolving solid solutions.

HELIX AUTOMATIC FT

Standard filtration degrees

	Flow range* m3/h (gpm)		Flow range* m3/h (gpm)
■ MG 400 micron	28 - 20 (123 - 88)	■ WS 50 micron	12 - 7 (53 - 31)
■ MG 200 micron	28 - 20 (123 - 88)	■ WS 20 micron	8 - 5 (35 - 22)
■ MG / WS 130 micron	28 - 20 (123 - 88)	■ WS 10 micron	6 - 3 (26 - 13)
■ MG / WS 100 micron	26 - 18 (114 - 79)	■ WS 5 micron	5 - 2 (22 - 4)

AZUD Filter element

Connection Ø	Filtration surface per filter
2"	1620 cm ² (251 in ²)
3"	1620 cm ² (251 in ²)
4" (double)	3240 cm ² (502 in ²)
Std. Manifold – 3 nos. For AA – 4 nos.	

MOC Material of Construction	Component	200-300-4DCL DLP / AA	AA/AW Series	SW Series	CI Series	DW Series
Discs	MG discs: WS discs:	PP HDPE	PP HDPE	PP HDPE	PP HDPE	PP HDPE
Filter housing & lid	Housing & lid: Safety clamp:	rPA AISI 304	rPA AISI 316 L	rPA AISI 316 L	rPP AISI 304	rPA-fg AISI 304
Filter element	Frame: Spring:	rPP AISI 302	rPP HASTELLOY	rPP HASTELLOY	rPP AISI 302	rPP AISI 302
Backwash valves	Body: Internals:	rPA AISI 304	rPA AISI 316 L	rPP PP	rPP PP	rPP PP
Seals		NBR	NBR	NBR	NBR	NBR
TDS		<6,000 ppm	6,000 to 30,000 ppm	30,000 to 50,000 ppm	CL >3ppm	

HDPE - High Density Polyethylene
rPA - Reinforced Polyamide

PP - Polypropylene

rPP - Reinforced Polypropylene

NBR - Nitrile Rubber

rPA-fg - Reinforced Polyamide - Food grade

Industrial filtration equipment AZUD HELIX AUTOMATIC FT4DCL DLP



- FT 4DCL-AW
- FT 800-SW*/CL*/DW*

- Filtration surface: 3240 cm²
- Number of filters: 3-12 (double filters)
- Flow rate range (130 micron): 168 - 672 m³/h (740 - 2959 gpm)
- Backwash process: Auto-flushing by DP and/or time, with pressurized filtered water
- Backwash valves: 1 x 3" - Diaphragm 3-way valves, HYDRAULIC COMMAND
- Ø Inlet/Outlet HDPE manifold: 6" (160 mm) to 12" (315 mm), DIN (FX)-ANSI (FA)
- Ø Drainage HDPE manifold: 4" (110 mm). Grooved / PVC (Glue)
- Control unit: AZUD FBC 103/112 (Not included)

Industrial filtration equipment AZUD HELIX AUTOMATIC FT201 DLP



- FT 200-AW/AA
- FT 700-SW*/CL*/DW*

NOTE:
Also available in 300 Series

- Filtration surface: 1620 cm² per filter
- Number of filters: 1-12
- Flow rate range (130 micron): 28 - 336 m³/h (123 - 1479 gpm)
- Backwash process: Auto-flushing by DP and/or time, with pressurized filtered water/air
- Backwash valves: 1 x 2" - Diaphragm 3-way valves, HYDRAULIC COMMAND
- Ø Inlet/Outlet HDPE manifold: 2" (50 mm) to 10" (250 mm), Grooved (VX)-DIN (FX)-ANSI (FA)
- Ø Drainage HDPE manifold: 3" (90 mm). Grooved / PVC (Glue)
- Control unit: AZUD FBC 103/112 (Not included)

MG technology



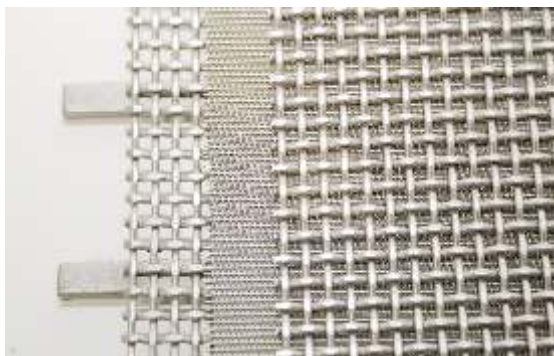
WS technology



WORKING POSITION

FLUSHING COMMAND	Hydraulic command	Vertical AZUD LUXON LCA  <p>IN/OUT connections • 2" – 10"</p> <p>Flow range • 20 – 500 m³/h</p> <p>Filtration surface • Molded screen support 2,400 – 7,200 cm² • PVC screen support 900 – 1,600 cm²</p>	Horizontal AZUD LUXON MHF  <p>IN/OUT connections • 4" – 12"</p> <p>Flow range • 60 – 800 m³/h</p> <p>Filtration surface • Molded screen support 2,400 – 12,000 cm²</p>	AZUD LUXON LKM  <ul style="list-style-type: none"> • IN/OUT connections: 8" – 20" • Flow range: 300 – 2,000 m³/h <p>Filtration surface</p> <ul style="list-style-type: none"> • Perforated screen support 8,000 – 21,300 cm² • WW screen support 8,000 – 21,300 cm² <ul style="list-style-type: none"> • Brush cleaning • High flow rates for poor quality raw water
	Electric Motor	AZUD LUXON LDB  <p>IN/OUT connections • 2" – 20"</p> <p>Flow range • 15 - 1,800 m³/h</p> <p>Filtration surface</p> <ul style="list-style-type: none"> • SS 316 L screen support 1,000 - 21,300 cm² • PVC screen support 2,500 - 20,100 cm² 	AZUD LUXON LXE  <p>IN/OUT connections • 3" – 20"</p> <p>Flow range • 50 – 1,800 m³/h</p> <p>Filtration surface</p> <ul style="list-style-type: none"> • SS 316 L screen support 2,700 - 21,300 cm² • PVC screen support 2,500 - 20,100 cm² 	AZUD LUXON LPF  <ul style="list-style-type: none"> • IN/OUT connections: 16" – 120" • Flow range: 0.15 – 10.3 m³/h <p>Filtration surface</p> <ul style="list-style-type: none"> • Perforated screen support 1,100 – 38,000 cm² <ul style="list-style-type: none"> • On line installation • High flow rates

4 floating layers without welding areas



Standard filtration grades



Screen

1000 micron | 500 micron | 300 micron | 200 micron | 125 micron | 100 micron | 80 micron | 50 micron
20 micron | 10 micron

AZUD LUXON LEM



- IN/OUT connections: 2" – 20"
- Flow range: 25 – 2,000 m³/h

Filtration surface

- SS 316 L screen support
2,700 – 21,300 cm² per screen
- PVC screen support
2,500 – 20,100 cm² per screen

- Multi-screen in a single vessel
- High flow rates in minimum footprint



Sea Water Filtration



Cooling Tower Solutions



Waste Water Treatment



Advanced Filtration Solutions for the Petrochemical Sector



Advanced Filtration Solutions for the Metalwork Sector



Advanced Filtration Solutions for the Swimming Pool



Drinking Water Solutions

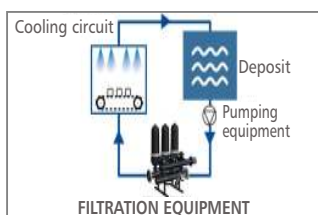


Filtration Solutions for the Food & Beverage Industry

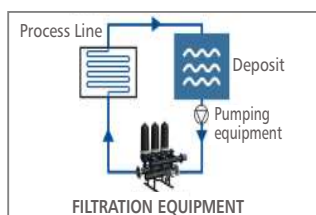
Questionnaire for Automatic Self Cleaning Filters

Description	Measurement	Reply from customer
Flow	m ³ /hr	
Treatment Scheme		
Source of water		
Water Quality Inlet (TSS)	ppm	
Micron Rating	µm	
Filter type required? Disc or Screen		
Application*		
MOC Required		
Design Pressure	Bar	
Operating Pressure	Bar	
Design Temperature	°C	
Operating Temperature	°C	
Inlet/Outlet Connection	Inches	
Filtered Water Pipeline Conditions**		
Pollutant Type***		
Test Result, Other Information or System Details****		

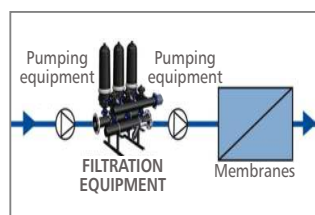
* Cooling Tower, Boiler Feed, Pre RO, Pre-UF, CRM, HRM, oil field application, etc.
 ** Filtered Water Pipeline Open to The Atmosphere or Continue as Pressurized System or etc.
 *** Sand, Silt, Suspended Pollutant, Algae, Fish and Mussels Eggs, Leaves, Various Macro- Organisms etc.
 **** Flow diagram or other drawings related to the system should be supplied.



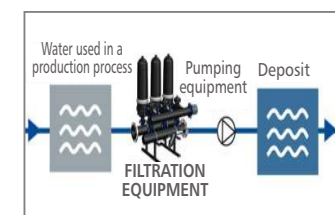
Circuits Protections; Nozzles, Injectors, etc



Recirculation Systems



Prefilters in Microfiltration, Ultrafiltration, Nanofiltration & Reverse Osmosis Processes



Reuse