

AZUD AGL

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AZUD AGL is the range of manual filters manufactured in technical plastic. It is resistant to most of the products normally used in agriculture.

The hydraulic design of the filter minimizes the head loss, saving energy and optimizing its performance.

ADVANTAGES

- ✓ **Modularity.**
Versatility, compatibility and easy maintenance. The system permits a wide range of flow rates and configurations using a minimal number of components.
- ✓ **Maximum quality and safety in filtration.**
Wide range of filtration grades in discs and screens.
- ✓ **The largest filtration area of its kind.**
- ✓ **Robustness.**
Base and lid manufactured in high quality thermoplastic.
- ✓ **Easy installation, handling and maintenance.**
No tools required for maintenance.
- ✓ **Threaded tightening nut.**
Very resistant to variations of pressure and temperature.
- ✓ **Equipped with pressure gauges intakes.**
- ✓ **3 mouth housing with different connection possibilities.**
BSP, NPT or grooved connection. The filter can be installed in any position.
- ✓ **Gasket set in the lid.**
Avoiding loss or wear during maintenance.
- ✓ **The lid incorporates an auxiliary 3/4" thread.**
It permits the installation of a depressurization valve and emptying of the filter.
- ✓ **Water and energy saving.**

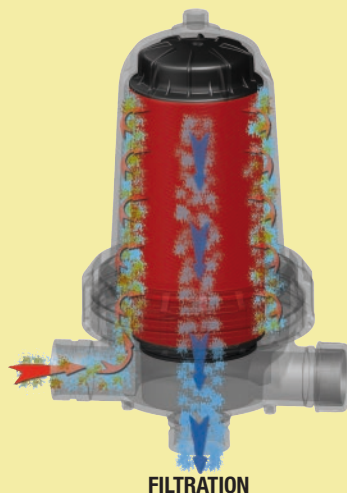


TECHNOLOGY

During the filtration process, the water flows inside the filtration discs where the particles are retained.

Thanks to its simple and safe structure, the maintenance labours are dramatically reduced. It is unnecessary the use of tools for the maintenance of the filter.

The optimized lock system of the thread makes the filter very resistant to the sharp changes of pressure and temperature, avoiding deformations in the set housing-thread.



AZUD AGL 130 micron	Maximum flow		Filtering surface			
	m ³ /h	gpm	Discs		Screen	
			cm ²	in ²	cm ²	in ²
2"	30	132	1050	163	900	140
2"S	30	132	1660	257	1350	209
3"C	50	220	1050	163	900	140
3"	50	220	1660	257	1350	209

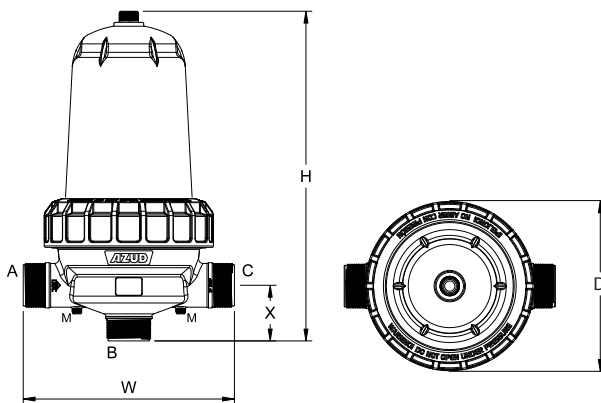
The flow rate given by filter, conditions the frequency of the flushings.

200 micron. (75 mesh)	130 micron. (120 mesh)	100 micron. (150 mesh)
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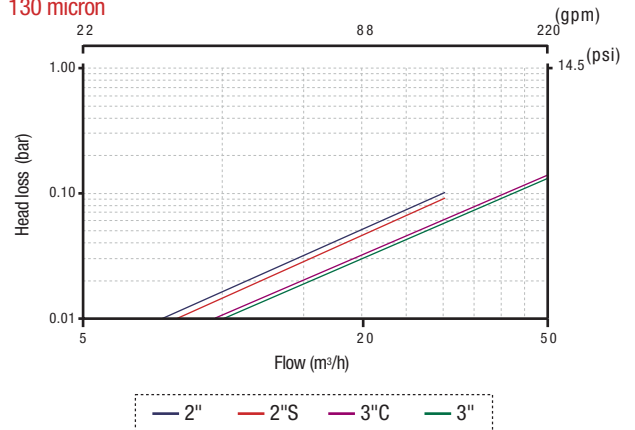
MATERIALS AZUD AGL

Housing	Polypropylene
Filtering element	Polypropylene discs Stainless steel screen
Locking threads	Polyamide reinforced with fiberglass
Sealing element	NBR

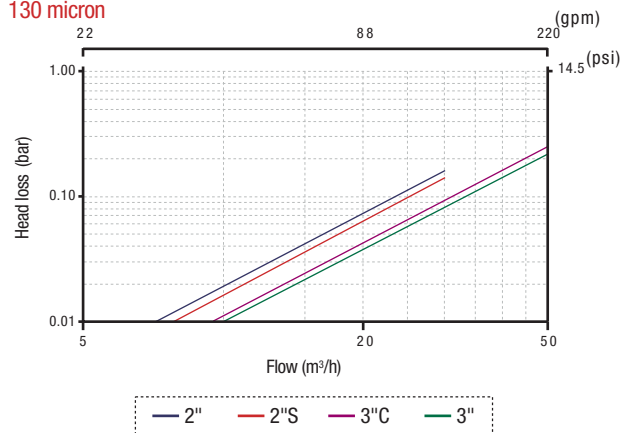
2 < pH < 13 • Maximum pressure 8 bar / 116 psi • Maximum temperature 60 °C / 140 °F



AZUD AGL SCREEN HEAD LOSS 130 micron



AZUD AGL DISCS HEAD LOSS 130 micron



FILTER CONFIGURATION	Diameter	Model	Connection			Dimensions				Model	Weight							
			A	B	C	H		W			D		Empty filter Weight		Full filter Weight			
						mm	in	mm	in		mm	in	kg	lb	kg	lb		
2"	2"	2" BSP	BSP	BSP	BSP	445	17.5	285	11.2	75	3.0	231	9.1	Disc	3.6	7.8	8.8	19.3
		2" NPT	NPT	NPT	NPT													
		2" GRV90	GROOVED	GROOVED	BSP													
		2" GRV180	GROOVED	BSP	GROOVED													
2"S	2"S	2"S BSP	BSP	BSP	BSP	395	23.4	285	11.2	75	3.0	231	9.1	Disc	4.8	10.6	12.2	26.9
		2"S NPT	NPT	NPT	NPT													
		2"S GRV90	GROOVED	GROOVED	BSP													
		2"S GRV180	GROOVED	BSP	GROOVED													
3"C	3"C	3"C BSP	BSP	BSP	BSP	495	19.5	335	13.2	110	4.3	231	9.1	Disc	4.0	8.8	9.2	20.3
		3"C NPT	NPT	NPT	NPT													
		3"C GRV90	GROOVED	GROOVED	BSP													
		3"C GRV180	GROOVED	BSP	GROOVED													
3"	3"	3" BSP	BSP	BSP	BSP	645	25.4	335	13.2	110	4.3	231	9.1	Disc	5.3	11.7	12.6	27.7
		3" NPT	NPT	NPT	NPT													
		3" GRV90	GROOVED	GROOVED	BSP													
		3" GRV180	GROOVED	BSP	GROOVED													



AZUD spiral clean

The semiautomatic AZUD SPIRAL CLEAN screen filter is designed to ensure high filtration quality and low maintenance.



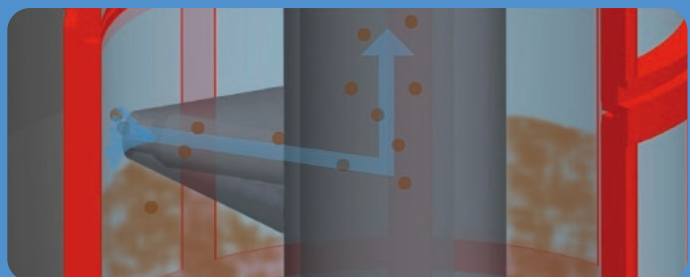
ADVANTAGES

- ✓ **Large screen area.**
Up to 1730 cm² (268 in²)
- ✓ **Filtration with screen filter element.**
The material of construction of the screen is stainless steel. Filtration degrees 100, 130 y 200 micron.
- ✓ **Non-stop working.** It is not necessary to stop filtrated water supply during the cleaning process.
- ✓ **Easy and effective cleaning.** The cleaning mechanism, consisting of a hand crank, scanner and suction nozzles, guarantees an efficient cleaning of the filter element without dismantling the filter.
- ✓ **Low maintenance.** No tools are needed.
- ✓ **Modularity, versatility, compatibility.** The system permits a wide range of possibilities with a minimal number of components.
- ✓ **Manufactured in technical plastic.**
- ✓ **Water and energy saving.**

TECHNOLOGY

AZUD SPIRAL CLEAN has a wide surface screen filtering element. Water flows OUT-IN through the filtering element while particles bigger than the filtration degree are trapped in the screen.

During the cleaning phase, the rotatory movement of the handle allows the rotation of the nozzles. The said nozzles suction the particles retained on the screen surface and discharge them through the drain valve.



AZUD spiral clean

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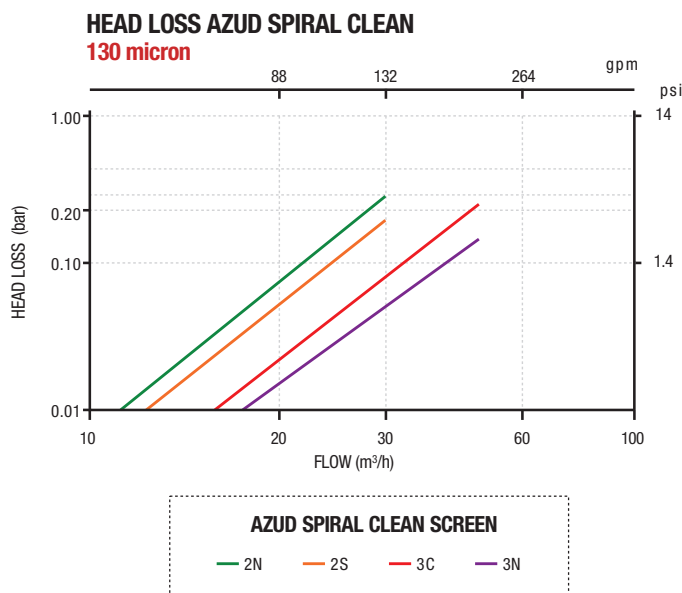
AZUD SPIRAL CLEAN 130 micron	Maximum flow	Filtration area
		Screen
2N	30 m ³ /h 132 gpm	1300 cm ² 202 in ²
2S	30 m ³ /h 132 gpm	1730 cm ² 268 in ²
3C	50 m ³ /h 220 gpm	1300 cm ² 202 in ²
3N	50 m ³ /h 220 gpm	1730 cm ² 268 in ²


Minimum pressure: 2 bar / 29 psi.
The flow rate given by filter conditions the frequency of the flushing activation.
Other filtration grades available www.azud.com

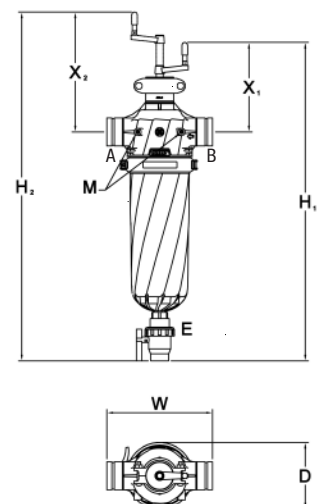
MATERIALS OF CONSTRUCTION

Housing	Polyamide reinforced with fiberglass
Filtering element	Stainless steel screen AISI 316
Locking system	Stainless steel
Sealing element	NBR

4 < pH < 11 • Maximum pressure 10 bar / 145 psi • Maximum temperature 60 °C / 140



FILTER CONFIGURATION	Connection	Model	Connection		Dimensions					
			A	B	H ₁	H ₂	W	X ₁	X ₂	D
			mm	mm	mm	mm	mm	mm	mm	mm
	2"	2NR	BSP	BSP	875	935	310	270	330	212
		2NW	GROOVED	GROOVED	34.5"	36.9"	12.2"	10.7"	13.0"	8.3"
	2" Super	2SR	BSP	BSP	1000	1060	310	270	330	212
		2SW	GROOVED	GROOVED	39.4"	41.7"	12.2"	10.7"	13.0"	8.3"
	3" C	3CR	BSP	BSP	890	950	336	285	345	212
		3CW	GROOVED	GROOVED	35.0"	37.3"	13.2"	11.3"	13.6"	8.3"
	3"	3NR	BSP	BSP	1015	1075	336	285	345	212
		3NW	GROOVED	GROOVED	40.0"	42.4"	13.2"	11.3"	13.6"	8.3"



AZUD modular 100

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AZUD MODULAR 100 is a range of lower flow disc and screen filters. Manufacture in plastic which ensures easy maintenance, high resistance and durability.

Flows up to 25 m³/h (110 gpm).



TECHNOLOGY

Pressure gauge connections

BSP / NPT connection

Modular Filter: interchangeable elements in different filtration grades.

Wide filtering surface

Auxiliary connection

Design

Robustness

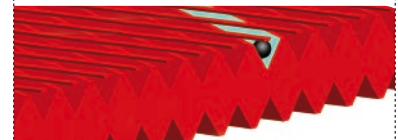
Easy and Safe closure system

Effective closure system allows discs to be loosened but not lost during cleaning.

ADVANTAGES

✓ **MAXIMUM QUALITY AND SAFETY IN FILTRATION** in a wide range of filtration grades in discs and screens.

• **Disc filter element with threaded closure for easy handling.** This ensures the compression of the discs and prevents accidental loss.



• **Screen filter element manufactured** in plastic and stainless steel.



✓ **LARGE FILTERING AREA RESULTS IN LESS MAINTENANCE.** Allows for a reduction in the frequency and level of maintenance. The filter elements can be removed for cleaning.

✓ **ROBUSTNESS.** Base and lid manufactured in high quality thermoplastic.

✓ **THREADED CLOSURE SYSTEM** efficient from low to high pressures.

✓ **GASKET SET IN THE LID.** This avoids loss or wear during maintenance.

✓ **EQUIPPED WITH AUXILIARY CONNECTIONS.**

• Lid has threaded connections, this allows easy draining or pressure relief.

• Ports for Pressure Gauges.

✓ **EASY HANDLING,** no tools required for maintenance.

✓ **EASY INSTALLATION.**

✓ **RESISTANCE TO CHEMICAL PRODUCTS.** With special gaskets.



AZUD MODULAR 100	3/4"	1"
CONNECTION	3/4" BSP	1" BSP
MAXIMUM RECOMMENDED FLOW	5 m ³ /h 22 gpm	6 m ³ /h 26 gpm
FILTRATION AREA (DISCS)	180 cm ² 28 in ²	180 cm ² 28 in ²
FILTRATION AREA (SCREEN)	160 cm ² 25 in ²	160 cm ² 25 in ²



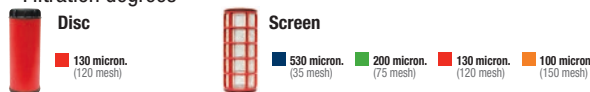
AZUD MODULAR 100	1 1/4"	1 1/2"
CONNECTION	1 1/4" BSP	1 1/2" BSP
MAXIMUM RECOMMENDED FLOW	10 m ³ /h 44 gpm	14 m ³ /h 62 gpm
FILTRATION AREA (DISCS)	310 cm ² 48 in ²	310 cm ² 48 in ²
FILTRATION AREA (SCREEN)	270 cm ² 42 in ²	270 cm ² 42 in ²



AZUD MODULAR 100	1 1/2" SUPER	2"
CONNECTION	1 1/2" BSP	2" BSP
MAXIMUM RECOMMENDED FLOW	20 m ³ /h 88 gpm	25 m ³ /h 110 gpm
FILTRATION AREA (DISCS)	535 cm ² 83 in ²	535 cm ² 83 in ²
FILTRATION AREA (SCREEN)	490 cm ² 76 in ²	490 cm ² 76 in ²



Filtration degrees



MATERIALS OF CONSTRUCTION

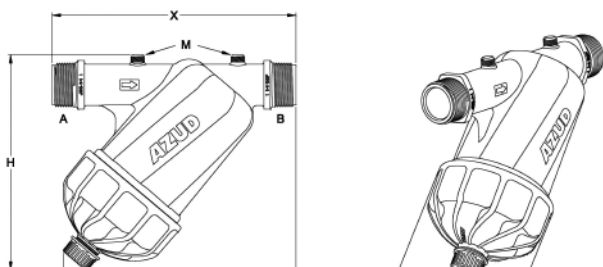
Housing	Technical plastic
Filtration elements	Polypropylene grooved discs Stainless steel AISI 316 screen

Maximum pressure 8 bar / 116 psi • Maximum temperature 60 °C / 140 °F

Dimensions

Model	A - B	Dimensions							
		mm	in	mm	in	mm	in	mm	in
3/4"	3/4" BSP	174	6.8	185	7.3	158	6.2	82	3.2
1"	1" BSP	174	6.8	190	7.5	168	6.6	82	3.2
1 1/4"	1 1/4" BSP	204	8.0	231	9.1	231	9.1	115	4.5
1 1/2"	1 1/2" BSP	204	8.0	231	9.1	231	9.1	115	4.5
1 1/2" SUPER	1 1/2" BSP	244	9.6	262	10.3	252	9.9	147	5.8
2"	2" BSP	250	9.8	270	10.6	267	10.5	147	5.8

A - B Available in NPT connection
E - 3/4" BSP connection
M - 1/4" BSP connection



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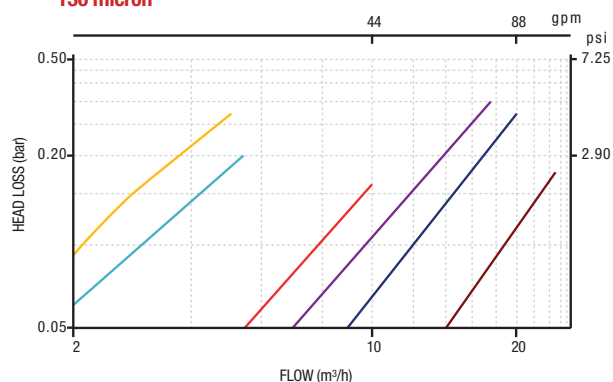
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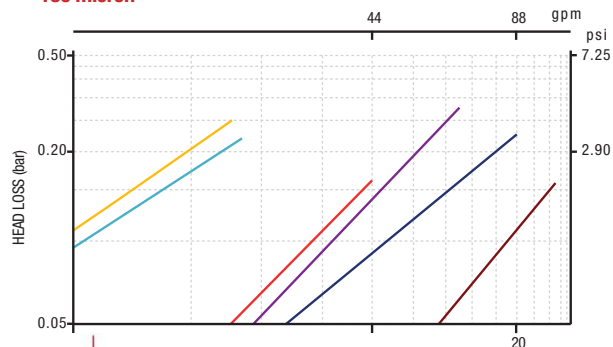
AZUD MODULAR 100 DISCS 130 micron



AZUD MODULAR 100



AZUD MODULAR 100 SCREEN 130 micron



تهران، کیلومتر ۲۱ بزرگراه لشکری (جاده مخصوص کرج)

روبروی پالایشگاه نفت پارس، پلاک ۱۲