AZUD HELIX SYSTEM

The AZUD HELIX SYSTEMS are based on high efficiency, with low maintenance and precision manufacturing in a safe environment.

The Centrifugal Action optimizes the filtration performance while reducing backwash frequency and maintenance.

ADVANTAGES

- **AZUD HELIX SYSTEM.**
  Helix created Centrifugal Action optimizes the filtration performance and reduces backwash frequency and maintenance.
- **Disc Filtration with Maximum Safety.**
  Its patented design and high quality materials used in manufacturing guarantee an extended life with high resistance.

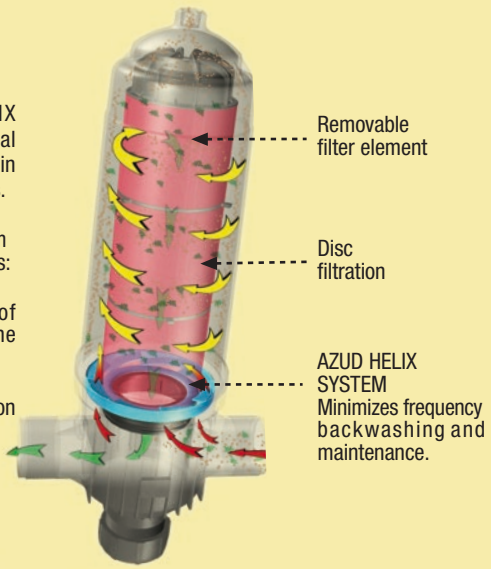
TECHNOLOGY

FILTRATION STAGE: The HELIX technology generates a centrifical effect which pushes the particles in the dirty water away from the discs.

Keeping the larger particles away from the discs has two major advantages:

- It decreases the frequency of backwashing, thus minimizing the amount of water used.

- Allows the disc's to concentrate on removal of the finer particles.



- **Modularity, Versatility, Compatibility.**
  The system permits a wide range of flows and configurations using a minimal number of components.
- **Manufactured in plastic materials.**
- **Low Maintenance.**
  Simple with no tools required.
- **The exclusive Butterfly System** used for locking the filter elements allows for easy decompression of the disc stack during backwash. It also allows easy handling and disc maintenance.
- **Water and energy saving.**

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AZUD HELIX SYSTEM 130 micron	Max. flow	Filtering surface
		Discs
2N	30 m³/h 132 gpm	1198 cm² 186 in²
2S	30 m³/h 132 gpm	1699 cm² 263 in²
3C	50 m³/h 220 gpm	1198 cm² 186 in²
3N	50 m³/h 220 gpm	1699 cm² 263 in²
4N	70 m³/h 308 gpm	2396 cm² 371 in²
4S	100 m³/h 440 gpm	3398 cm² 527 in²
6N	100 m³/h 440 gpm	3398 cm² 527 in²

Other filtration grades available.

MATERIAL

Housing	Polyamide reinforced with fiberglass
Filtering element	MG Polypropylene discs / WS HDPE
Clamp	Stainless steel
Sealing element	NBR

pH>4 • Maximum pressure 10 bar / 145 psi • Maximum temperature 60 ºC / 140 ºF

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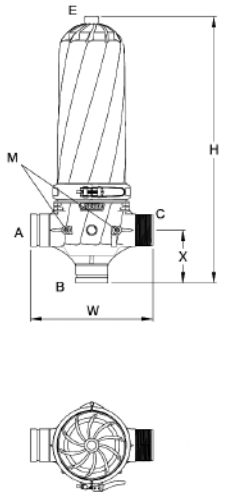
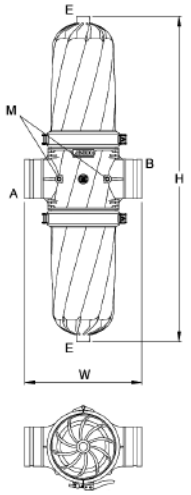
2N, 2S, 3C, 3N

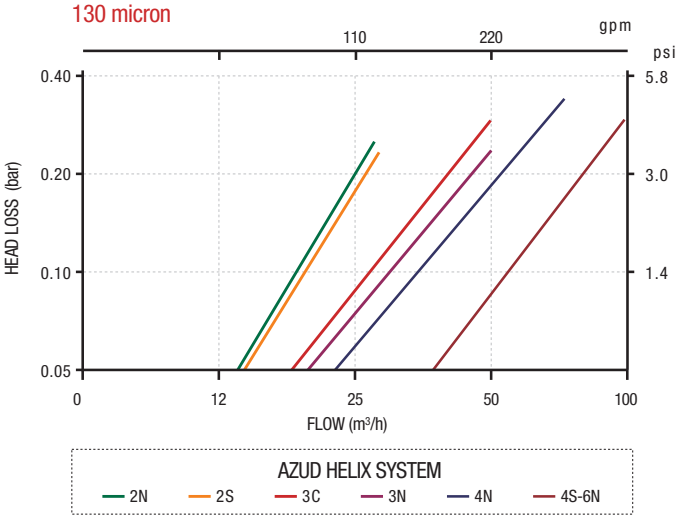


4N, 4S, 6N



AZUD HELIX SYSTEM DISCS HEAD LOSS

130 micron



FILTER CONFIGURATION	Connection	Model	Connection A	Connection B	Connection C	Dimensions H mm	Dimensions H in	Dimensions W mm	Dimensions W in	Dimensions X mm	Dimensions X in
	2"	2NR 2NA 2NV 2NW	BSP NPT GROOVED GROOVED	BSP NPT GROOVED BSP	BSP NPT BSP GROOVED	597	24	309	12	133	5
	2"Super	2SR 2SA 2SV 2SW	BSP NPT GROOVED GROOVED	BSP NPT GROOVED BSP	BSP NPT BSP GROOVED	721	28	309	12	133	5
	3"C	3CR 3CA 3CV 3CW	BSP NPT GROOVED GROOVED	BSP NPT GROOVED BSP	BSP NPT BSP GROOVED	615	24	336	13	147	6
	3"	3NR 3NA 3NV 3NW	BSP NPT GROOVED GROOVED	BSP NPT GROOVED BSP	BSP NPT BSP GROOVED	727	29	336	13	147	6
	4"	4NL 4NB	GROOVED BRIDA	GROOVED BRIDA	- -	950	37	341	13	-	-
	4"Super	4SL 4SB	GROOVED BRIDA	GROOVED BRIDA	- -	1200	47	341	13	-	-
	6"	6NB	BRIDA	BRIDA	-	1200	47	531	21	-	-

Connection E 3/4"BSP • Connection M 1/4" BSP

SISTEMA AZUD, S.A reserves the right to change the characteristics of these products without prior notice