

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.

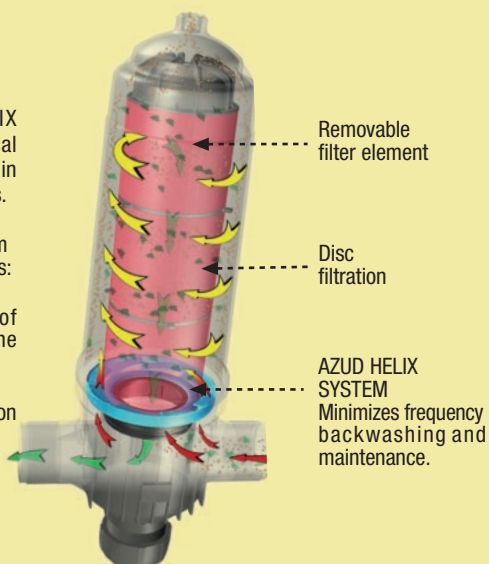


TECHNOLOGY

FILTRATION STAGE: The HELIX technology generates a centrifugal 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.**

AZUD HELIX SYSTEM

AZUD HELIX SYSTEM 130 micron	Max. flow	Filtering surface	
		Discs	Screen
2N	30 m³/h 132 gpm	1198 cm² 186 in²	-
2S	30 m³/h 132 gpm	1699 cm² 263 in²	1087 cm² 169 in²
3C	50 m³/h 220 gpm	1198 cm² 186 in²	-
3N	50 m³/h 220 gpm	1699 cm² 263 in²	1087 cm² 169 in²
4N	70 m³/h 308 gpm	2396 cm² 371 in²	-
4S	100 m³/h 440 gpm	3398 cm² 527 in²	2174 cm² 334 in²
6N	100 m³/h 440 gpm	3398 cm² 527 in²	2174 cm² 334 in²

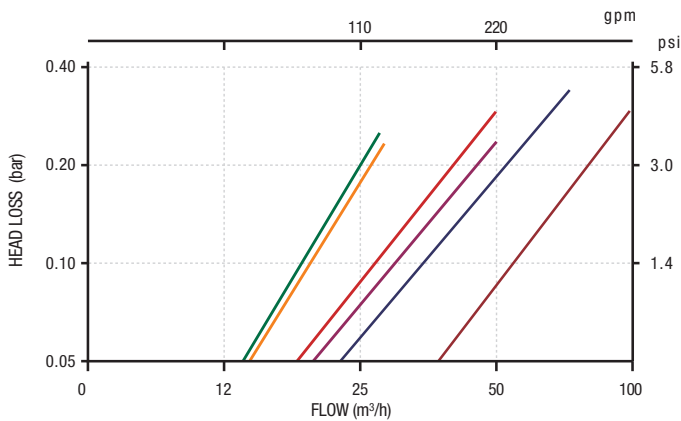
Other filtration grades available.

MATERIAL

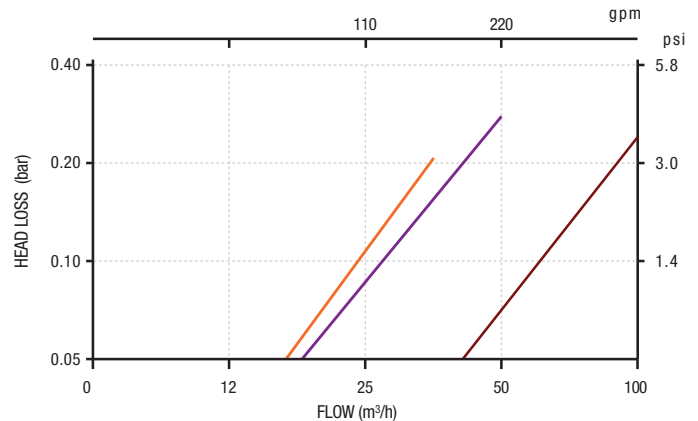
Housing	Polyamide reinforced with fiberglass
Filtering element	PP grooved discs AISI 316 stainless steel screen
Clamp	Stainless steel
Sealing element	NBR

pH>4 • Maximum pressure 10 bar / 145 psi • Maximum temperature 60 °C / 140 °F

AZUD HELIX SYSTEM DISCS HEAD LOSS 130 micron



AZUD HELIX SYSTEM SCREEN HEAD LOSS 130 micron



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

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

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2N, 2S, 3C, 3N

4N, 4S, 6N

