

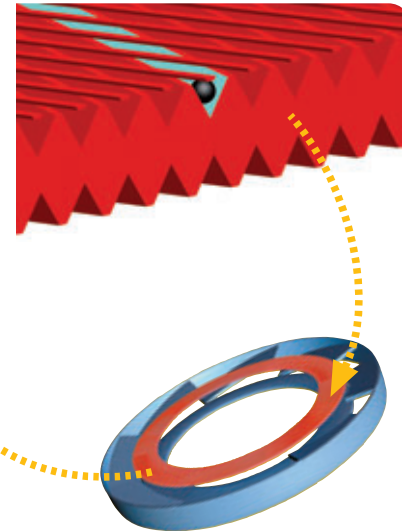
The AZUD HELIX SYSTEMS are based on high efficiency, with low maintenance and precision manufacturing in a safe environment.

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.

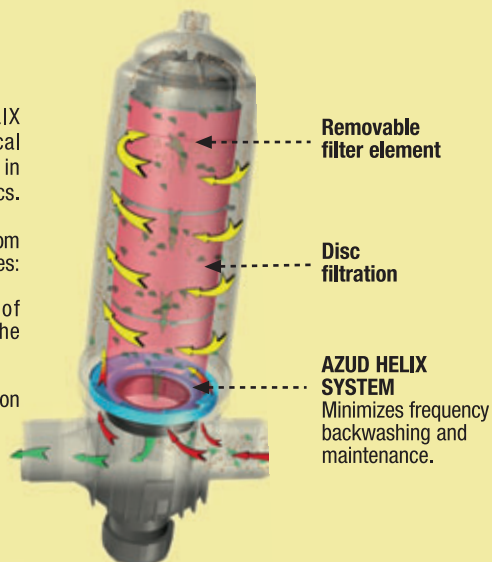


## TECHNOLOGY

**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 130 micron	Max. flow	Filtering surface	
		Discs	Screen
2N	30 m <sup>3</sup> /h	1.198 cm <sup>2</sup>	-
	132 gpm	186 in <sup>2</sup>	-
2S	30 m <sup>3</sup> /h	1.699 cm <sup>2</sup>	1.087 cm <sup>2</sup>
	132 gpm	263 in <sup>2</sup>	169 in <sup>2</sup>
3C	50 m <sup>3</sup> /h	1.198 cm <sup>2</sup>	-
	220 gpm	186 in <sup>2</sup>	-
3N	50 m <sup>3</sup> /h	1.699 cm <sup>2</sup>	1.087 cm <sup>2</sup>
	220 gpm	263 in <sup>2</sup>	169 in <sup>2</sup>
4N	70 m <sup>3</sup> /h	2.396 cm <sup>2</sup>	-
	308 gpm	371 in <sup>2</sup>	-
4S	100 m <sup>3</sup> /h	3.398 cm <sup>2</sup>	2.174 cm <sup>2</sup>
	440 gpm	527 in <sup>2</sup>	334 in <sup>2</sup>
6N	100 m <sup>3</sup> /h	3.398 cm <sup>2</sup>	2.174 cm <sup>2</sup>
	440 gpm	527 in <sup>2</sup>	334 in <sup>2</sup>

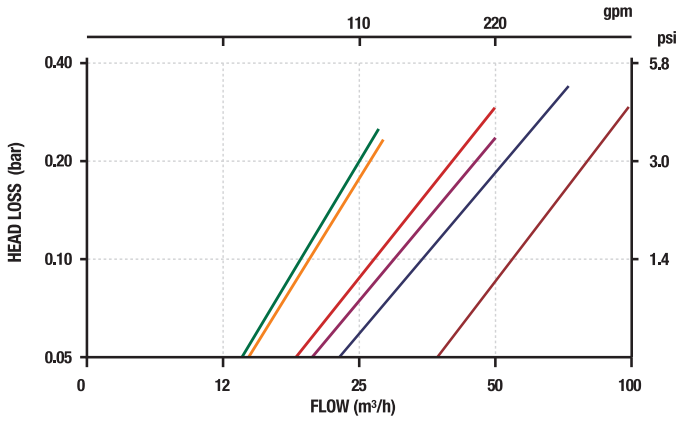
Other filtration grades available.

**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

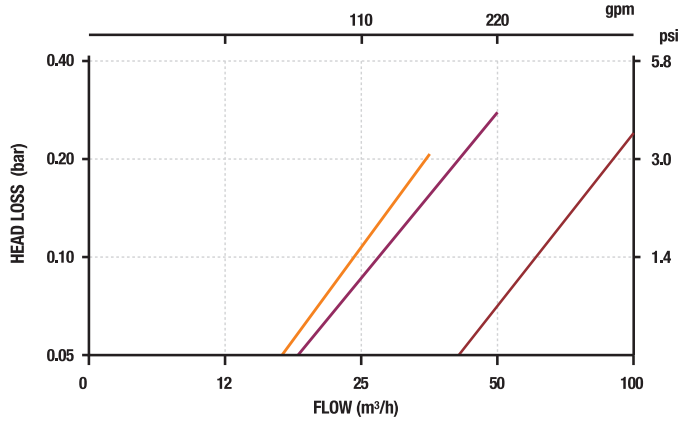
**AZUD HELIX SYSTEM DISCS HEAD LOSS  
130 micron**



**AZUD HELIX SYSTEM DISCS**






— 2N — 2S — 3C — 3N — 4N — 4S-6N

**AZUD HELIX SYSTEM SCREEN HEAD LOSS  
130 micron**



**AZUD HELIX SYSTEM SCREEN**

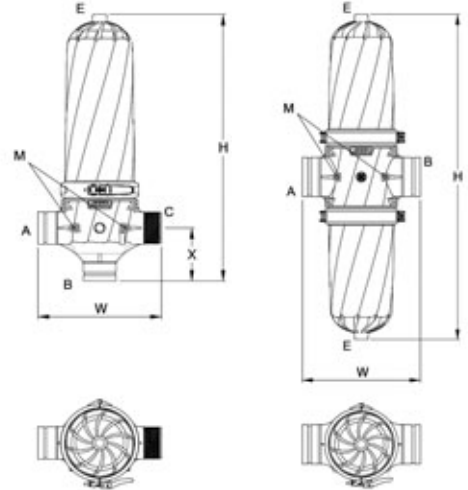
— 2S — 3N — 4S-6N

FILTER CONFIGURATION	Connection	Model	Connection			Dimensions					
			A	B	C	H	W	X			
			mm	in	mm	in	mm	in	mm	in	
	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 FLANGE	GROOVED FLANGE	-	950	37	341	13	-	-
		4NB	GROOVED FLANGE	GROOVED FLANGE	-						
	4" Super	4SL	GROOVED FLANGE	GROOVED FLANGE	-	1200	47	341	13	-	-
6"	6NB	FLANGE	FLANGE	-	1200	47	531	21	-	-	

**AZUD HELIX SYSTEM**

2N, 2S, 3C, 3N

4N, 4S, 6N



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