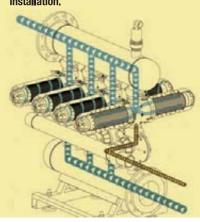


SERIE**4DCL**



TECHNOLOGY

AZUD HELIX AUTOMATIC backflushes in only one station while the rest of the equipment is in filtration stage, supplying the installation.



FILTRATION STAGE: The helix generates a centrifuge helical effect, which moves away from the discs the particles in the water.

Through the discs is made the in-depth filtration process.

BACKFLUSHING STAGE: The filtered water is introduced in the opposite direction through the filtering element structures, decompressing the stacks of discs and making the backflushing.

The solids expelled from the discs are evacuated by the drainage manifold.

The filtration stage starts again with the compression of the discs.

ADVANTAGES





Self-cleaning filtering element. Maximum saving of water and efficiency in backflushing. Wide filtering area. AZUD filtration grades go from 5 to 500 micron.



- ▼ Modularity. Versatility, compatibility. The system permits a wide range of possibilities with a minimal number of components.
- **Maximum facility of transport and installation**. Already assembled equipments.
- Manufactured in plastic materials.
- Low Maintenance. Without tooling. Maximum resistance, with movable parts not susceptible to wearing due to a continuous operation.
- Water and energy saving.

SERIE4DCL

FILTRATION Maximum flow per filter AZUD HELIX AUTOMATIC filter filtering surface 2.984 cm²

QUALITY OF WATER	micron mesh	200 75	130 120	100 150	50	20
GOOD	m³/h	72	64	48	34	18
	gpm	314	282	211	154	76
AVERAGE	m³/h	63	59	40	28	14
	gpm	279	261	176	122	62
P00R	m³/h	51	47	36	20	10
	gpm	226	209	158	92	46
VERY	m³/h	32	28	24	14	6
POOR	gpm	139	122	106	62	30

HOW TO CHOOSE AZUD HELIX AUTOMATIC EQUIPMENTS

- 1. Determine the required filtration grade.
- 2. Establish the quality of the water.
- 3. Calculate according to the following equation, the numbers of filters required with the selected SERIE.

Number of filters =

Flow to filter in the installation

Max. Flow per filter

NOTE: The flow rate given by filter conditions the frequency of the backflushing activation.

MATERIAL

Manifolds	High Density Polyethylene
Housing	Polyamide reinforced with fiberglass
Filtering element	PP grooved discs
Sealing element	NBR
Backflushing valve	Plastic

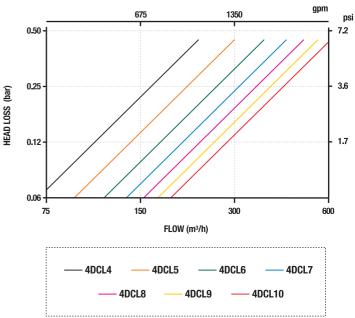
pH>4 • Maximum pressure 10 bar / 145 psi • Maximum temperature 60° C / 140 F

BACKFLUSHING

	200 - 130 micron 75-120 mesh	100 micron 150 mesh	50-20 micron		
Minimum backflushing	2.8 bar	3.5 bar	4 bar		
pressure per filter 4"	40 psi	50 psi	58 psi		
Minimum backflushing	5 l/s	6.2 V s	6.6 l/s		
backflushing flow per filter 4"	78 gpm	100 gpm	104 gpm		

AZUD HELIX AUTOMATIC HEAD LOSS

130 micron



			Specifications						Dimei	isions (r	(mm)					
Model		del	N. Filters	Manifold	Filtering Surface (cm²)	F	E	D	L	w	R	т	s	н		
	4[OCL4/8	4" x 4	8"	11.936	928	277	1195	1300	1200	645	320	1248	1735		
	4[OCL5/8	4" x 5	8"	14.920	928	277	1470	1580	1200	645	320	1248	1735		
	_ 4[OCL6/10	4" x 6	10"	17.904	978	277	1779	1867	1200	700	350	1328	1840		
	3EBIE 4DCT 4E 4E 4E	OCL7/10	4" x 7	10"	20.888	978	277	2259	2346	1200	700	350	1328	1840		
	£ 4[OCL8/10	4" x 8	10"	23.872	978	277	2474	2561	1200	700	350	1328	1840		

277

2749

2837

3108

1200

1200

390

390

773

773

1433 1975

1433 1975

1043

1043 277 3024

Drainage Manifold included - Grooved connection. Dimensions of the models with flange connection. Other configurations in www.azud.com

12"

12"

26,856

29,840

4DCL9/12 4" x 9

4DCL10/12 4" x 10

AZUD HELIX AUTOMATIC SERIE 4DCL

