

# Discs AutoSenior 4"

Triangular design tower support, with non-equidistant water jets to ensure uniform washing. Guarantee to completed the disc-pack rotation. No maintenance (except discs)



## AutoSenior 4"



## TECHNICAL DATA

### SYSTEM

The physical filtration through discs is performed by, retaining the suspended solids in water into the channels due to a high security disc structure.

### CONSTRUCTION MATERIALS

**Body:** glass fiber reinforced polyamide.

**Disc tower:** glass fiber reinforced polyamide.

**Manifolds:** carbon steel or polyethylene.

**Joints:** synthetic rubber nitrile 60° Shore.

**Screws:** zinc-coated.

### FILTERING ELEMENT

Discs available: 20 µm green disc, 50 µm blue disc, 130 µm yellow disc, 190 µm red disc (which is the standard one) and 250 µm brown disc.

### CLEANING

Cleaning performed by a counter flow and the discs separation each other at high-speed rotation. The combination of these two effects produces the dirt detachment, assisted by the incidence of tangential high-pressure water jets directed to the filtration surface.

### PRESSURES

Max. pressure: 8 kg/cm<sup>2</sup>

Min. pressure: 1 kg/cm<sup>2</sup>

Min. cleaning pressure: 2,5 kg/cm<sup>2</sup>

Testing pressure: 12 kg/cm<sup>2</sup>

### FEATURES

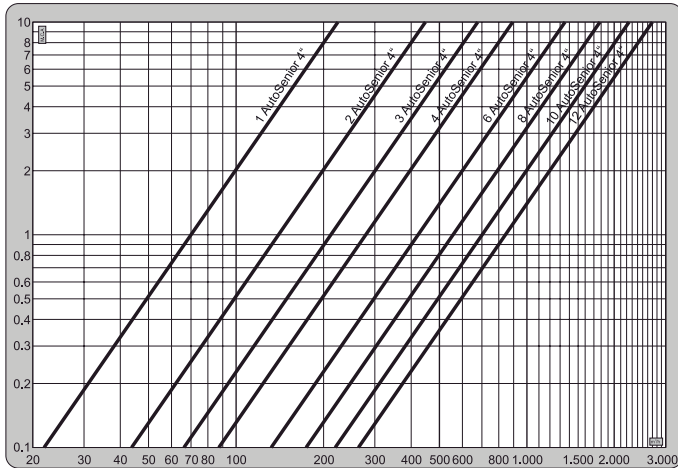
Its mechanisms are perfectly synchronized to deal with the cleaning works with the guarantee that the water won't be contaminated. It allows the perfect automation of the system and a reduced head loss.

Besides, it makes possible to use compressed air to guide the manoeuvres.

On the other hand, it stands out because it has just a few components, something that makes easier the assembly and the taking apart works.

Furthermore, it resists to the hardest chemical and physical agents.

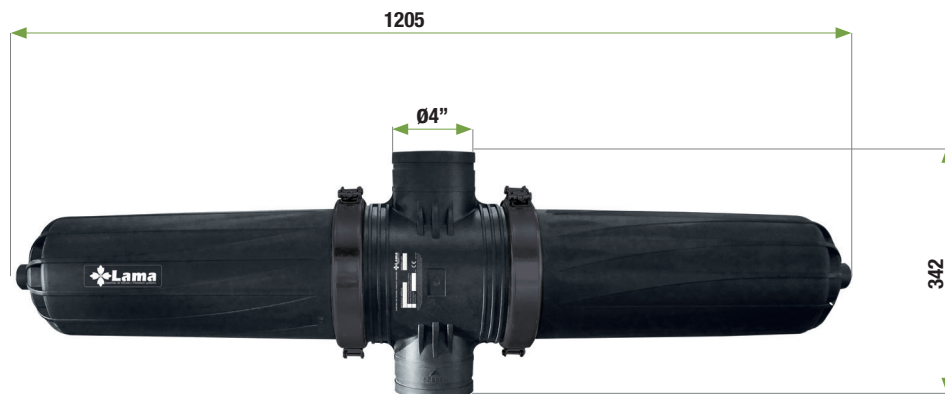
### HEAD LOSS



Results obtained in our facilities with approved measuring instruments, using clean water as a fluid for assessment with 190 µm red disc Lama.

### INFORMATION

**Equipped:** ifilters + collectors + Globo Plastic valve + programmer + solenoid + suction pad + manometer + wiring.



Number of Filters	Flow Limit 4m H.D.*	Max. recommended flow (m <sup>3</sup> /h)			Filtration Surface (cm <sup>2</sup> )	Min. drainage Flow (m <sup>3</sup> /h)	Collector	Code
		< 50ppm	50/100ppm	100/200ppm				
2	282	80	50	32	6.452	21	Ø6"	<b>C2A4P3</b>
3	423	120	75	48	9.678	21	Ø6"	<b>C3A4P3</b>
4	564	160	100	64	12.904	21	Ø8"	<b>C4A4P3</b>
6	846	240	150	96	19.356	21	Ø10"	<b>C6A4P3</b>
8	1.128	320	200	128	25.808	21	Ø10"	<b>C8A4P3</b>
10	1.410	400	250	160	32.260	21	Ø12"	<b>C10A4P3</b>
12	1.692	480	300	192	38.712	21	Ø12"	<b>C12A4P3</b>
Net Weight (Kg)	Net Equipped Weight (Kg)	Gross Equipped Weight	Min Vol. Drainage Watere (2,5 Kg/cm <sup>2</sup> )	Min. Drainage Flow (m <sup>3</sup> /h)	RAA3R - Disc spare part 190µm		Code	
14,8	15	0,11 m <sup>3</sup>	90 l	21	----		<b>FAAP4</b>	