

Discs Automaster

Subjected to rigorous resistance tests. No maintenance (except disc filters) Time and water use optimisation in washing process. Streamlined design with minimal components.

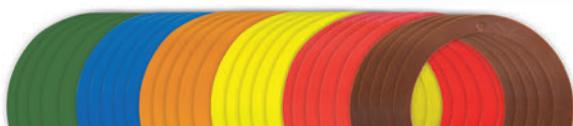


Filter **FAS6**

AutoMaster



nanoPLUS⁺
TECHNOLOGY



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: carbon steel.

Disc tower: glass fiber reinforced polyamide.

Manifolds: carbon steel or polyethylene.

Joints: synthetic rubber nitrile 60^º Shore.

Screws: zinc-coated.

STEEL SURFACE TREATMENT

The steel elements are treated internally and externally and an impregnation of NANOTECHNOLOGY. After that, the elements are painted by electrostatic spraying powder paint, epoxy polyester.

FILTERING ELEMENT

We have four discs available: green disc 20 µm, 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: 10 kg/cm²

FEATURES

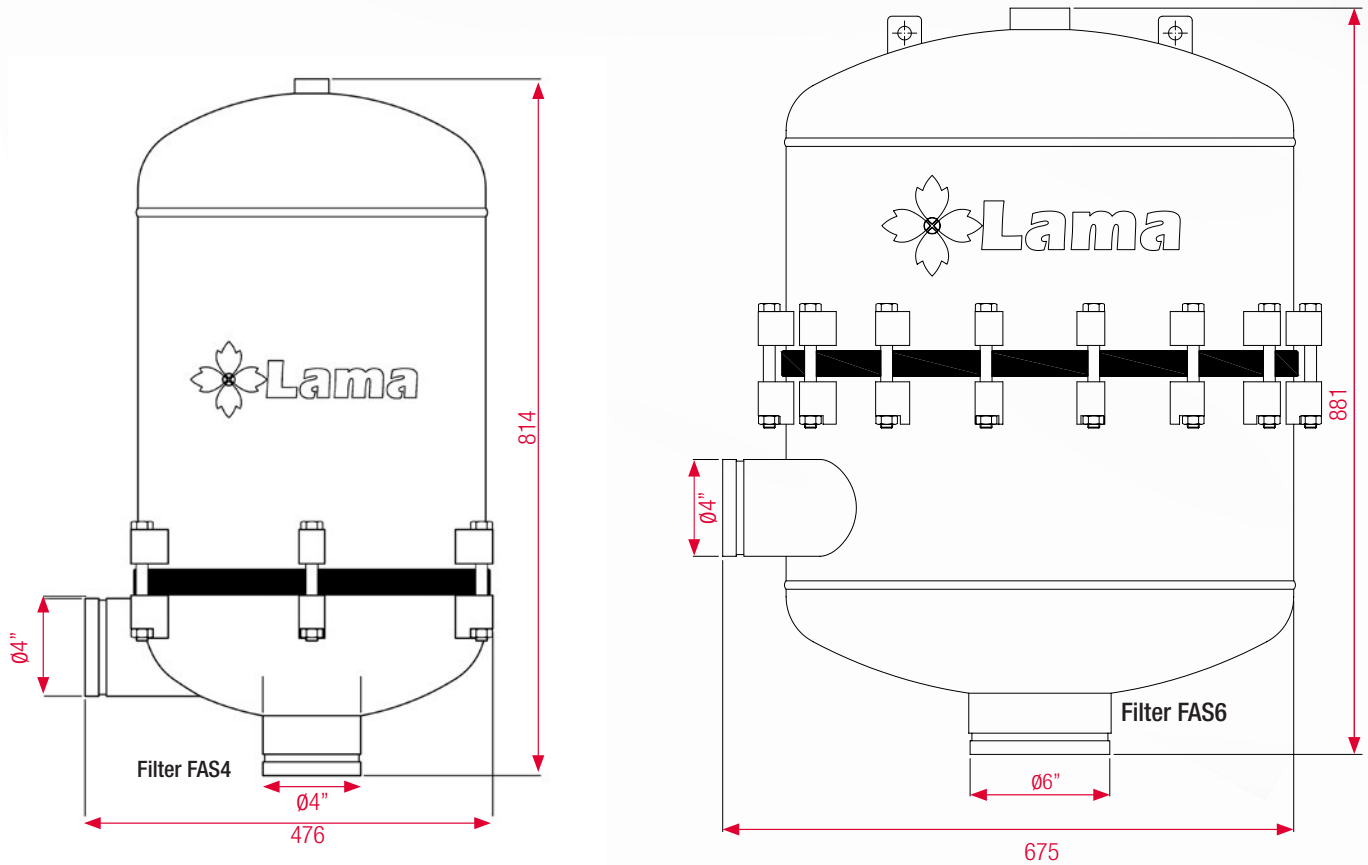
Its mechanisms are perfectly synchronized to deal with the cleaning works with the guarantee that the water won't be contaminated. It allows the perfect automation of the system and a reduced head loss.

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

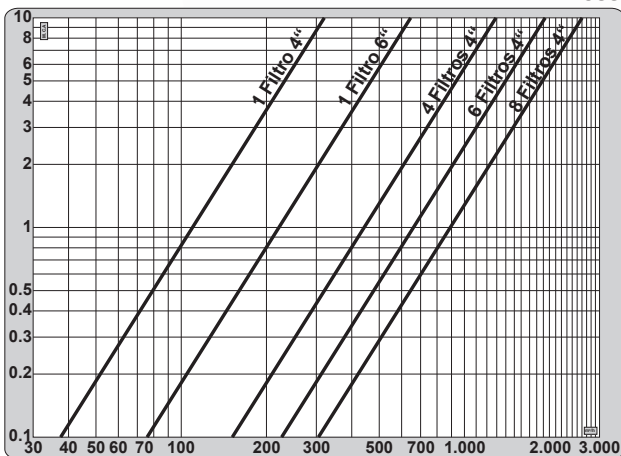
On the other hand, it stands out because it has just a few components, something that makes easier the assembly and the taking apart works.

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

AUTOMATIC DISC FILTER AUTOMASTER



HEAD LOSS



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



Net Weight (Kg)	Filtration surface (cm ²)	Min. Drainage Flow (m ³ /h)	Connection (Ø)	Min. Drainage Vol. Water (2,5 Kg/cm ²)	190 µm Disc kit	Filter
73	4.839	31,5	4" Vic	525 l	RAA4	FAS4TR (4")
160	9.678	63	Outlet 6" Vic - Inlet 2x4" Vic	1.050 l	RAA6	FAS6TR (6")

MODULAR AUTOMATIC DISC STATIONS: AUTOMASTER

	Flow Limit 4m H.D.*	Max. recommended flow (m ³ /h)			Filtration Surface (cm ²)	Min. drainage Flow (m ³ /h)	Collector	Description	Code
		< 50ppm	50/100ppm	100/200ppm					
4"	211	73	44	28	4.839	31,5	Ø4"	1 of 4" filter unequipped	FAS4TR
	211	73	44	28	4.839	31,5	Ø4"	1 of 4" filter equipped	FAE4
	633	219	132	84	14.517	31,50	Ø8"	3 of 4" filters in line	C3AS4S
	844	292	176	112	19.356	31,50	Ø10"	4 of 4" filters in line	C4AS4S
	1.266	438	264	168	29.034	31,50	Ø12"	6 of 4" filters in line	C6AS4S
	1.688	584	352	224	38.712	31,50	Ø12"	8 of 4" filters double line	C8AS4S
	2.109	730	440	280	48.390	31,50	Ø14"	10 of 4" filters double line	10AS4S
	2.531	876	528	336	58.068	31,50	Ø14"	12 of 4" filters double line	12AS4S
	3.374	1168	704	448	77.424	31,50	Ø16"	16 of 4" filters double line	16AS4S
	4.218	1460	880	560	96.780	31,50	Ø18"	20 of 4" filters double line	20AS4S
	5.062	1752	1056	672	116.136	31,50	Ø20"	24 of 4" filters double line	24AS4S
6"	422	169	102	66	9.678	63	Ø6"	1 of 6" filter unequipped	FAS6TR
	422	169	102	66	9.678	63	Ø6"	1 of 6" filter equipped	FAE6
	1.687	676	408	264	38.712	63	Ø12"	4 of 6" filters in line	C4AS6S
	2.531	1017	612	396	58.068	63	Ø14"	6 of 6" filters in line	C6AS6S
	3.374	1352	816	528	77.424	63	Ø16"	8 of 6" filters double line	C8AS6S
	5.062	2028	1224	792	116.136	63	Ø20"	12 of 6" filters double line	12AS6S
	6.749	2704	1632	1056	154.848	63	Ø24"	16 of 6" filters double line	16AS6S
	8.436	3380	2040	1320	193.560	63	Ø24"	20 of 6" filters double line	20AS6S
	20.246	8112	4896	3168	464.544	63	Ø38"	48 of 6" filters double line	48AS6S