

Discs MasterMegadisc

Outstanding versatility filters, optimal product resistance and robustness. Water use optimisation in washing process. It can be designed upon request for PN16 pressure rating.



Filter **FRA6**

MasterMegadisc



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: stainless steel.

Manifolds: carbon steel or polyethylene.

Joints: synthetic rubber nitrile 60° Shore.

Tornillos: 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

Discs available: 20 µm green disc, 50 µm blue disc, 130 µm yellow disc, 190 µm red disc (which is the standad 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

Min. cleaning pressure: 2,5 kg/cm²

Testing pressure: 16 kg/cm²

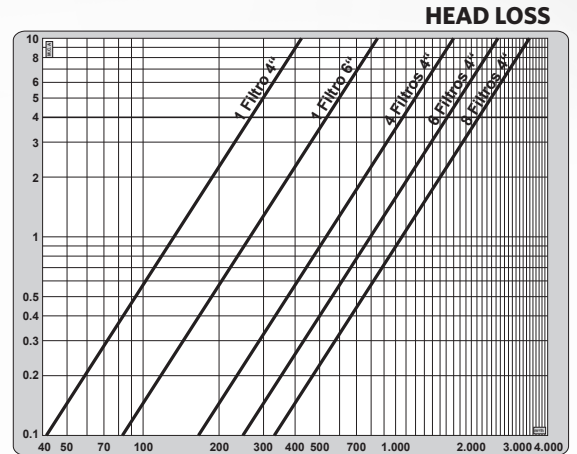
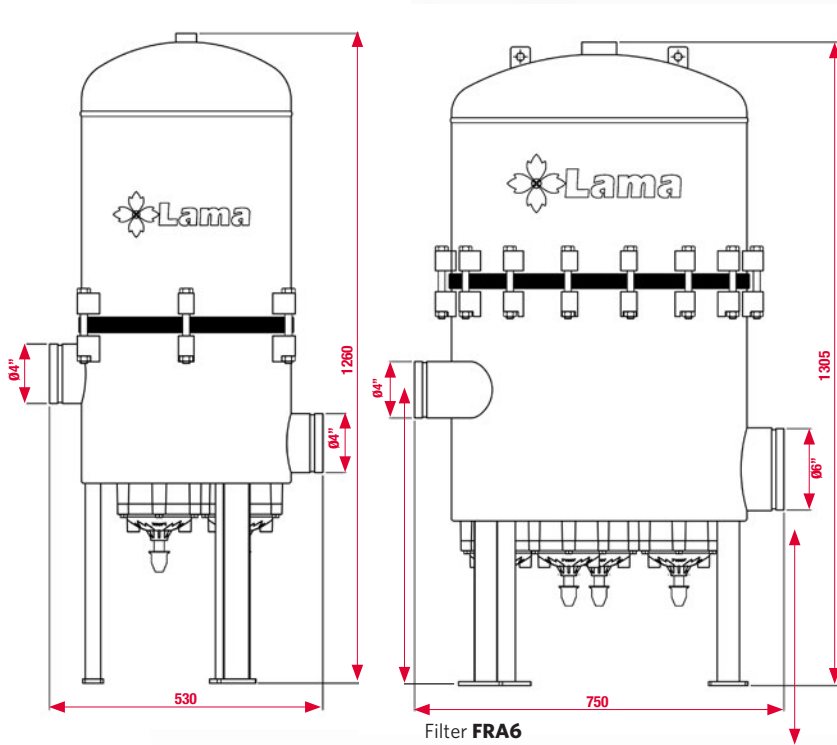
FEATURES

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 maked easier the assembly and the taking apart works.

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

MODULAR AUTOMATIC DISCS STATIONS MASTERMEGADISC



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



	FRA4	FRA6
Net Weight (Kg)	106	213
Conectiønn (Ø)	4" Vic	Innlet 6" Vic Outlet 2 x 4" Vic
Min Vol. Drainage Water (2,5 Kg/cm²)	525 l	1.050 l
Disc kit (190µm)	RAR4R	RAR6R

Flow Limit 4m H.D.*	Max. recommended flow (m³/h)			Filtration Surface (cm²)	Min. Drainage Flow (m³/h)	Collector	Description	Code	
	< 50ppm	50/100ppm	100/200ppm						
4"	267	97	58	38	6.126	42	Ø4"	1 of 4" filter unequipped	FRA4
	1.068	450	270	176	24.504	42	Ø10"	4 of 4" filters in line	C4R4S
	1.602	675	405	263	36.756	42	Ø12"	6 of 4" filters in line	C6R4S
	2.136	900	540	351	49.008	42	Ø14"	8 of 4" filters double line	C8R4S
	3.204	1.350	810	526	73.512	42	Ø18"	12 of 4" filters double line	12R4S
6"	534	225	135	88	12.252	84	Ø6"	1 of 6" filter equipped	FRA6
	6.408	2.700	1.620	1.053	147.024	84	Ø24"	12 of 6" filters double line	12R6S
	9.024	3.600	2.160	1.404	196.032	84	Ø24"	16 of 6" filters double line	16R6S
	12.816	5.400	3.240	2.106	294.048	84	Ø30"	24 of 6" filters double line	24R6S