





ECOTECOPOOL was founded in the year 1988 in AUROVILLE in the State of Tamil Nadu, India. We start as a swimming pool builder based on the Italian experience of our CEO. Now days one of the main activities of the company is to provide the best purification system for the swimming pool water industry.

pool filter



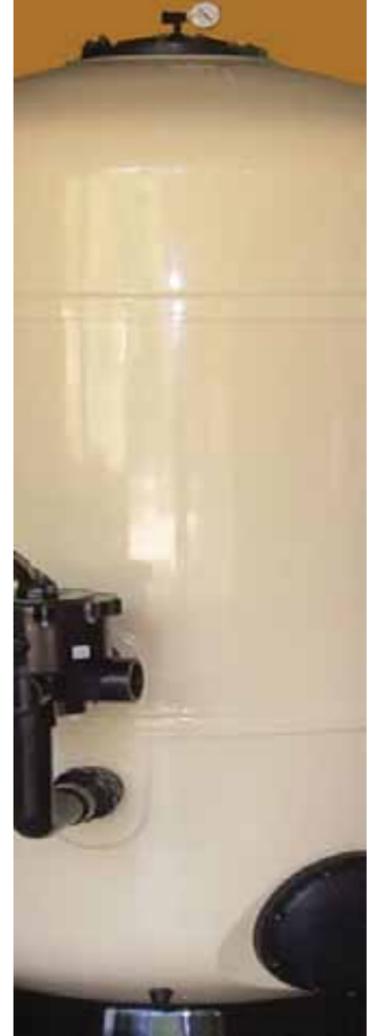
Mineral water pools are increasing in popularity as a 'spa-like' alternative to traditional salt water pools. Mineral pools: use various blends of minerals like magnesium Chloride instead of or as well as traditional salt. are often less salty than traditional pools, with Total Dissolved Solids (TDS) of 3,500 parts per million (ppm) instead of the 5,000 ppm typically required in conventional salt water.



Custom made products

Our filter tanks with cylinder (Star, Public Series) are made of three parts: upper shell, sub shell and cylindrical part. Basically we produce the tanks in standard heights to ensure that the required filter bed and freeboard are guaranteed. At request the cylindrical part can be varied in its height.

Filter tanks with user defined heights, the filter bed and freeboard automatically change. Therefore caution should be taken for tanks according to DIN, UNI standards to not fall below the minimum values.

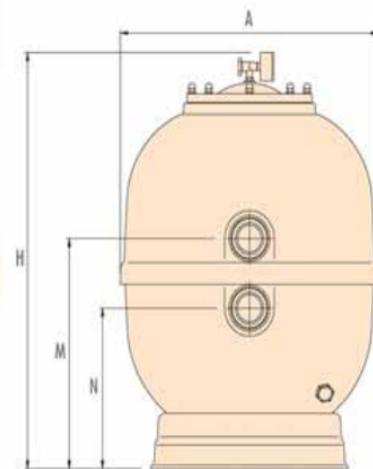




SERIE STANDARD



CODI	TIPO	Ø	CONEXIONES CONEXION CONEXIONES	L/DØ m"/Ø Ø=50m"/3m"	LARGO SABU kg	PISCINA POLL PISCINE m ³	DIMENSIONES_DIMENSIONS				EMBALAJE PACKING	PESO BRUTO WEIGHT BRUT POIDS BRUT kg	VOLUMEN VOLUME POLINE m ³
							A	B	X	Y			
F-500	lateral	500	1 1/2"	9	90	72	525	770	415	290	1	22,6	0,28
F-650	lateral	650	1 1/2"	15	200	120	685	860	435	310	1	28,6	0,45
F-800	lateral	800	2"	25	325	200	815	960	590	360	1	43,8	0,62
F-950	lateral	950	2"	35	545	280	965	1085	670	400	1	72,8	1,31



SERIE HIGH

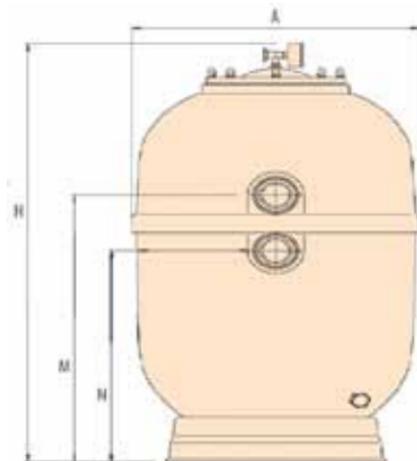


CODE	TIPO TYPE	Ø	CONEXIONES CONNECTION CONNECTIONS	FLUJO FLOW m ³ /h (l=20l/h)	CARGA LOAD kg	PISCINA POOL PISCINE	DIMENSIONES DIMENSIONS				EMBALAJE PACKING	PESO BRUTO WEIGHT GROSS POIDS BRUT	VOLUMEN VOLUME m ³
							L	Ø	H	H			

PH-450	lateral	450	1 1/2"	15	300	120	485	1200	820	495	1	28,6	0,45
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PH-800	lateral	800	2"	25	450	200	815	1220	770	540	1	43,8	0,60
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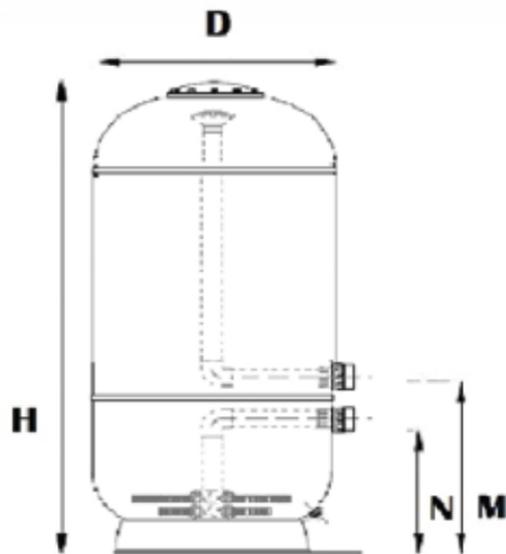
PH-950	lateral	950	2"	35	750	280	965	1285	800	580	1	72,8	1,31
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SERIE HIGH PERFORMANCE



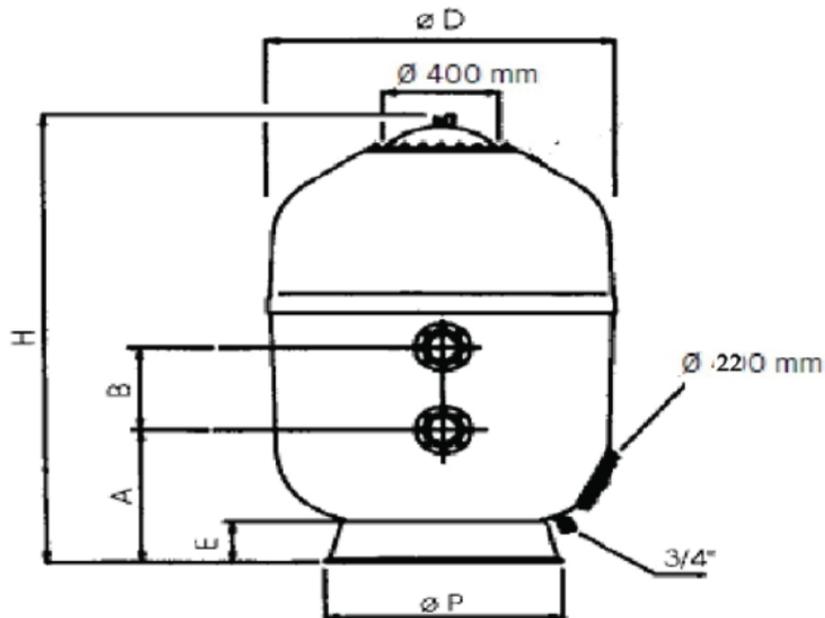
CODE	TIPO TYPE	Ø	CONEXIONES CONNECTION CONNEXIONS	FLOW m ³ /h V=50m ³ /h/m ²	SAND SABLE Kg	PISCINA POOL PISCINE m ²	DIMENSIONES_DIMENSIONS				EMBALAJE PACKING	PESO BRUTO WEIGHT GROSS POIDS BRUT Kg	VOLUMEN VOLUME m ³
							D	H	M	N			
FHP-650	lateral	650	1 1/2"	15	550	120	685	1780	820	695	1	98,3	1,3
FHP-800	lateral	800	2"	25	750	200	15	1820	770	540	1	111,8	1,8
FHP-950	lateral	950	2"	35	950	280	1165	1985	810	580	1	152,8	2,91



SERIE STANDARD large diameter



CÓDIGO CODE	TIPO TYPE	Ø	CONEXIONES CONNECTION CONNEXIONS	CAUDAL FLOW DÉBIT m ³ /h V=50m ³ /h/m ²	ARENA SAND SABLE kg	PISCINA POOL PISCINE m ³	DIMENSIONES _ DIMENSIONS	
FINI101200	lateral	1200	3"	66	1500	440	H (mm)	1860
							B (mm)	350
							A (mm)	570
							Ø P (mm)	850
							E (mm)	180
							filtration area (m ²)	1.12



Mould design and construction

Internal production

To be able to produce high quality products in the sector of sandwich materials is the use of a perfect initial mould essential. Thanks to our long years of experience in the sector and a very high technical expertise, we are able to manufacture the moulds on our own.

This gives us the possibility to influence the shaping and the arrangement of the finished product. Flange connections can be individually placed, sizes manufactured at will, custom constructions realized, old, damaged moulds can be repaired or replaced immediately.





Lamination

The pre-cut of the glass-fiber mats is carried out and is based on the calculation of the needed wall thickness. The glass-fiber mats are laid into the moulds after layout plan, are soaked with resin and get rolled out with hand pressure.

The treatment by hand guaranties an optimal quality.

After the curing process the shell is remolded und simultaneously undergoes a optical quality inspection. Shells damaged on critical spots (e.g. sealing surface of the O-rings) are disposed immediately.

Assembling

In the next step the filter tanks are assembled and all the different attachment parts are added.

The base cap is glued to the bottom. The screws for the top cover, lateral inspection apertures and inspection windows are glued.

Built-in parts

In the last step of the production the single components are all brought together and assembled with all the built-in and accessory parts.



Varnishing Gel-Coat

The “varnishing”, the application of the Gel-Coat, is the first step in the production. Thereby this step the filter tanks obtain a visual smooth surface on the outside.



Final inspection

PED 7/3/G

Previous to the packaging the filter tanks undergo a quality inspection. The tanks are getting cleaned and possible optical damages mended.

Ecotecopools according to the pressure equipment directive 7/3/E, is required to label the tanks. Therefore all our filter tanks are equipped with a Label(serial number and production year) and with the characteristics.





Packaging

To prevent damage during transport the filter tanks are, depending on the size, packed into cardboard boxes or wooden pallets individually.

For further protection the overhang parts are wrapped with foam material.





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