



Jonkers Pool Systems
Products • Commercial • Aquatic



EPIC WATER TECHNOLOGY™
www.epicwatertech.com

Epic DE Filters

ECO-FRIENDLY • ECONOMY • DURABILITY

Epic DE Filter

SETTING NEW STANDARDS

Ultra - pure water filtration using the latest engineering technology.

Since 1974 Jonkers Pool Systems have been working on filters, pulling them apart and manufacturing them. Every feature has been designed with the operator in mind.

New Technology begins with an idea. At Jonkers Pool Systems we had the idea to offer a filter capable of performing above all others protecting the environment against wasting one of our most precious commodities - "Water".



"If you can't offer the best - don't offer it at all".

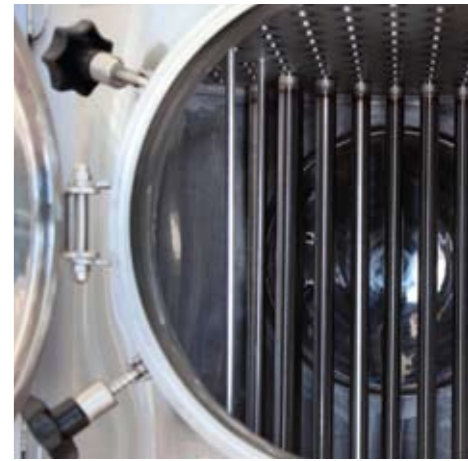
Jonkers Pool Systems Motto

When it comes to water clarity, environmental sustainability, durability and functionality the EPIC DE FILTER series comes out on top. In all industries as new concerns arise, new solutions must be found, thus creating a need for innovative technology. Aquatic filtration is no exception! With growing concerns over the environment came a need to create a filtration system that eliminates water use and dramatically reduces energy consumption, large expensive filter plant rooms and maintenance costs.

The septums are the heart of all DE Filters

When designing the EPIC DE FILTER, Jonkers Pool Systems knew the only option was to create a septum that would last as long as the filter tank and provide un-interrupted performance for the life time of the filtration system. The Epic wedge wire septum made entirely from 316L stainless steel is the most durable septum in the world. Stainless Steel is the only material accepted in sanitary environments like brewery, wine, dairy and food industries. Less durable alternatives like polypropylene fabric septum's cause problems like inefficient backwashing and bridging. Polypropylene septum's used by our competitors require regular labour intensive manual cleaning which requires the filtration plant to be shut down.

Epic 316 Stainless Steel Wedge Wire Septum's are ridged from top to bottom - this enables a consistent space between the septums throughout the whole length of the stack - no "Septum Bridging" can occur, they are so efficient no manual cleaning is required.



The worlds most water efficient filter

"When the well is dry, we know the worth of water"

Benjamin Franklin , (1706-1790).

In one year the average public pool sand filtration system will pump the entire volume of the pool down the drain when backwashing the filters. Add to this the cost of heating and chemically treating the waste water, it becomes clear the motivation of Jonkers Pool Systems to become a world leader, reaching another field of excellence with the most efficient , eco friendly filtration system available. Epic DE Filters designed with the environment upmost on our mind.

Overcoming problems

SETTING NEW STANDARDS

Our filters will provide trouble free operation for decades. From the flanges to the manholes and sight glasses right through to the septum's inside, every Epic DE Filter is manufactured entirely from 316L or 304 grade Stainless Steel. You won't find any unsightly rusty painted mild steel filters in our plant rooms. Nor will you see any painted 304 grade stainless steel filters. Only the best materials are used to produce the best filters to pass the test of time.

Epic DE Filter Benefits

- REDUCES WATER WASTAGE - The Epic DE Filter has been designed to eliminate over 95% of the backwash waste water commonly associated with sand filtration.
- INCREASE WATER CLARITY - There are growing concerns about waterborne illnesses (WBI) such as Cryptosporidiosis. In most applications sub 1.0 micron removal is achievable.
- ELIMINATES HIGH BUILDING COSTS - The Epic DE Filter only takes up approximately one fifth the space that an equivalent sand filtration systems requires.
- 100% 316L STAINLESS STEEL CONSTRUCTION - results in a very long filter life. (304 stainless steel optional)
- ELIMINATES - manual cleaning of fabric polypropylene covered ABS filter septum's.
- REDUCE LABOUR COSTS - Super efficient operation means less man hours to maintain.
- No overhead lifting beams associated with other makes of filters are required
- ELIMINATES CHEMICAL AND ENERGY WASTAGE - Chemical consumption savings of up to 25%
- Filter cycles extended.
- This is a GREEN SYSTEM and lends itself well for LEED accreditation.

Features

- Stainless Steel Septum's which eliminates septum bridging associated with fabric septums.
- Side Manhole access to reduce the overall working height. All of the Epic D.E range can fit under a standard door height.
- Illuminated Sight Glass allows easy filter monitoring.
- Manufactured in 316L or 304 grade Stainless Steel.



Manhole

The Epic DE Filter has been designed with performance in mind, ease of use and operation are just as valued to Jonkers Pool Systems. The Epic DE Filter does not have a cumbersome removable flanged top dome. The Epic DE Filter has been fitted with an easy to access side manhole. When installing the septum's, the technician can simply and easily gain access to the septum plate via the side manhole. This feature eliminates the need for expensive lifting davits or lifting blocks required to remove the top dome as featured on many other brands of filters. The Epic DE Filter does not require a plant room with high ceilings or lifting beams. This dramatically reduces construction costs.



Sight Glass

Every Epic DE Filter produced comes standard with an illuminated sight glass. There are many ways to monitor filter performance, pressure differential, turbidity counts, flow rate. Jonkers Pool Systems believe that often the simplest way is the best way. With the illuminated sight glass the plant manager can quickly and easily monitor the condition of the Epic DE Filter.

Filter size chart *Optimal flow rates calculated by multiplying filter area x 1.25L/S/m2

Diameter (mm)	Filter area (m2)	Maximum flowrate (m3/hr)	Amount of media (kg)	Size of pipe connections (mm)
800	13	60	10.5	80
1000	23	102	18	100
1200	34	150	27	150
1400	47	210	37	150
1600	63	282	50	200
1800	81	362	65	200

Warranty

Epic DE Filters are covered by a 15 year tank and septum warranty (10 years full + 5 years pro rata) and 1 year warranty on all other components. Please refer to Jonkers Pool Systems warranty terms and conditions.



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