



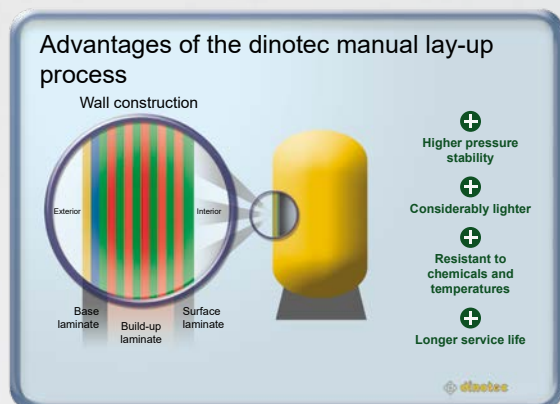
dinotec filter systems **PRIVATE**

Purification of water

dinotec filter technology: quality that pays off

Simply enjoy the best water!

dinotec filter technology: quality that pays off



A filter is exposed to extreme pressures and temperature loads. Due to the high quality of materials and standard of workmanship, dinotec filters ensure a stable function and have an above-average service life.

You can choose from the extensive dinotec range, which offers the right filter also for your application and requirements. The efficient high-end filter controls allow you to control your filter either manually, fully-automatic, or via the dinotecNET+ system.

Why is a proper filter technology imperative?

The filter ensures a mechanical cleaning of the water from coarse contamination (dirt, hair, skin particles, etc.) and a circulation of the pool water. Filter size, filter material, filter speed and, above all, the design of the internal water distribution have a significant influence on the filtration result.

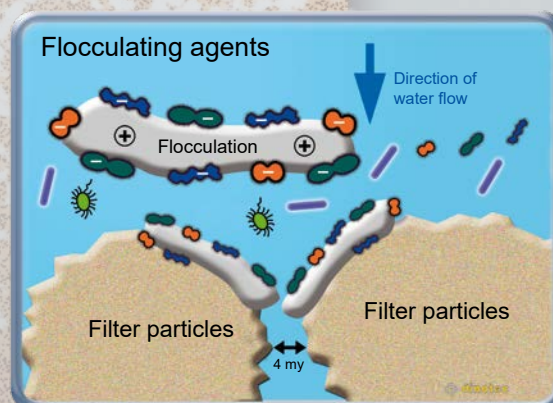
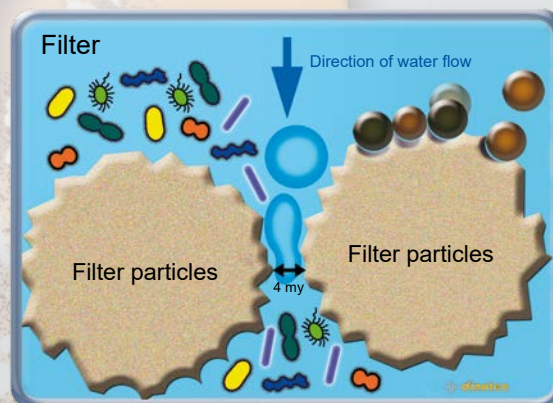
The more effective your filter system, the better your water quality!

Your advantages:

- Reduced consumption of water care agents
- Increased bathing comfort
- Increased safety
- Less work

But: A filter without flocculation is only a coarse screen

Smaller impurities are not filtered out. Through flocculation, these impurities are bound together into larger 'clumps' and can be retained. Flocculation works like a "magnet" attracting dirt. The result: an optimum pre-treatment of your pool water.



A perfect combination



Filter and flocculation

Mechanical cleaning

Measuring and control technology

Disinfection and control of the pH level

dinotec compact systems are factory adjusted and pre-assembled ready for connection. They include filter equipment, measuring, control and dosing system, heat exchanger and heating control.

dinotec **NET+** Watercom

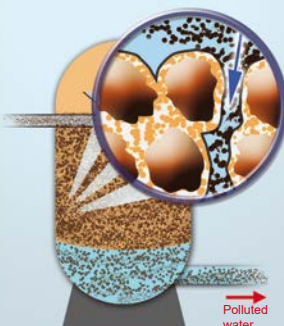
The "detergent" for your filter



Filter Cleaner Rapid

- Supports backwashing
- Cleans the filter sand
- Improves filtration
- Reduces the need for water treatment products
- Extends the service life of filter material

Without filter cleaning (after 2-3 months of operation)

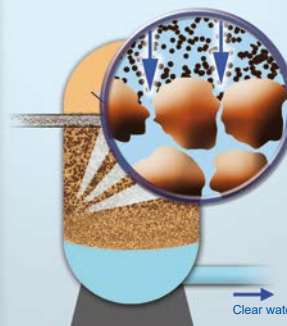


Dirt attaches to the sand grains. These become incrustated and round off.

- Rising danger of channeling
- Reduced filter performance
- Increased consumption of water care agents
- Shorter durability of filter material
- Increased danger of microbial contamination
- Potential of combined chlorine formation (pool smell)



After a cleaning of the filter (with Filter Cleaner RAPID)



Fouling removed. Sand grains can again retain dirt/allow a proper filtration.

- + No channeling
- + Increased filter performance
- + Reduced consumption of water care agents
- + Longer durability of filter material
- + Danger of microbial contamination prevented
- + No typical pool smell



The top seller

The ProFIL "S" is manufactured from high-grade, fiber-glass reinforced polyester in a special manual lay-up process. The ProFIL "S" is therefore particularly resistant to pressure, and is elastic and durable.

Due to the seamless construction in one piece, the filter sand can be filled higher, which in turn results in an improved filtration effect and water quality.

The large and very maintenance-friendly filter port is another advantage of the ProFil S, which is optionally also available with a Plexiglas lid.



Also available as a filter system with CF Premium 10 filter circulation pump.



Customized filter covers possible



- **Reliable**
- **Easy to maintain**
- **Tried and tested**

ProFil S

	ProFil S 500	ProFil S 610
For pools up to (m³)	50	80
ø filter (mm)	500	610
Height filter tank (mm)	630	735
Height filter system (mm)	750	854
ø filling port (mm)	320	320
Hand hole (DN) service opening		
Material	GRP	GRP
Admissible operating pressure (bar)	2.0	2.0
Weight empty, approx. (kg)	22	30
Filter filling (kg) / Sand 0.4 - 0.8mm	100	175
Filter filling (kg) / gravel 2.0 - 3.15mm		
Filter filling (kg) / gravel 3.15 - 5.6mm		
Filter area (m²)	0.2	0.29
Volume flow rate (m³/h) at 50 m/h	10	15
Internal and external piping (DN)	40	40
6-way valve (") ¹	1.5	1.5
Front control unit (DN)		

Recommended filter pumps

The dinotec range includes different filter pumps for all filters.



TIP

When buying a filter, ensure that the filter pump is properly dimensioned for the appropriate filtration and backwash speed, so that the filter sand is thoroughly cleaned during the backwash process. Your specialist dealer will be happy to provide more information and advice.



¹ Filter systems Profil S, Senators S, DeLuxe and Comfort XL can also be operated with a BESGO backwash valve

Easy to assemble

Manufactured from high quality, fiberglass-reinforced polyester in a special manual lay-up process. Owing to the high quality of workmanship, the Senator provides a specially high resistance to pressure and is also resistant to temperature and chemicals. The Senator S has an exceptionally long service life. Its lightweight design facilitates installation.

The filter Senator S is characterized by a particularly attractive price/performance ratio. As a fixed-bed filter, it provides excellent filtration, while being budget-priced due to its intelligent design.

- **Easy to install**
- **Robust**
- **Tried and tested**



Senator S

	Senator S 610	Senator S 765	Senator S 910
For pools up to (m³)	80	100	150
ø filter (mm)	610	765	910
Height filter tank (mm)	1080	1150	1150
Height filter system (mm)			
ø filling port (mm)	210	210	210
Hand hole (DN) service opening	177	177	177
Material	GRP	GRP	GRP
Admissible operating pressure (bar)	2.0	2.0	2.0
Weight empty, approx. (kg)	33	41	49
Filter filling (kg) / Sand 0.4 - 0.8mm	200	325	450
Filter filling (kg) / gravel 2.0 - 3.15mm	25	25	50
Filter filling (kg) / gravel 3.15 - 5.6mm	25	25	50
Filter area (m²)	0.29	0.46	0.65
Volume flow rate (m³/h) at 50 m/h	15	20	32
Internal and external piping (DN)	40	50	50
6-way valve (") ¹	1.5	2.0	2.0
Front control unit (DN)			

Recommended filter pumps

The dinotec range includes different filter pumps for all filters.

"Comfort" XL

The Comfort filter systems are manufactured from high-grade, fiber-glass reinforced polyester. This series of filters stands out for its low height while delivering a remarkable filtration performance.

A special feature of the Comfort XL filter tank: it can be equipped with both a filter cartridge and a nozzle plate (optimization of the filtration process).

The filters are supplied with a manual tank ventilation and tank emptying.

- Filter cartridge or
- Nozzle plate (from 1250 mm)
- High-power



Comfort XL

	Comfort XL 765	Comfort XL 910	Comfort XL 1080	Comfort XL 1250	Comfort XL 1400	Comfort XL 1600	Comfort XL 1800
For pools up to (m³)	90	160	230	325	385	550	700
ø filter (mm)	765	910	1080	1250	1400	1600	1800
Height filter tank (mm)	760	940	1550	1600	1800	1900	2000
Height filter system (mm)	894	1074	1690	1740	1860 ²	1960 ²	2060 ²
ø filling port (DN)	210	210	430	430	430	500	500
Hand hole (DN) service opening	177	177	177	300	300	430	430
Material	GRP	GRP	GRP	GRP	GRP	GRP	GRP
Admissible operating pressure (bar)	2.0	2.0	2.0	2.0	2.0	2.0	2.0
Weight empty, approx. (kg)	39	49	151	168	244	364	504
Filter filling (kg) / Sand 0.4 - 0.8mm	250	400	500	1200	1700	2300	3100
Filter filling (kg) / gravel 2.0 - 3.15mm	25	50	100	225	275	350	450
Filter filling (kg) / gravel 3.15 - 5.6mm	25	50	100	225	275	350	450
Filter area (m²)	0.459	0.65	0.916	1.23	1.53	2.01	2.48
Volume flow rate (m³/h) at 50 m/h	20	32	45	65	80	110	110
Internal and external piping (DN)	50	80	80	80	100	125	150
6-way valve (") ¹	2	3	3	3			
Front control unit (DN)					100	125	150
Recommended filter pumps	Badu 90/20	Badu 90/30	Resort 45	Resort 70	Resort 80	Resort 110	Resort 110

¹ Filter systems Profil S, Senators S, DeLuxe and Comfort XL can also be operated with a BESGO backwash valve.

² Dimensioning plus venting valve

³ For multilayer filling quantities, please refer to the filling table in our price list or in the user manual.

More depth - our largest model for water treatment in the private sector

The de Luxe fixed-bed filter is manufactured from high-grade, fiber-glass reinforced polyester in a special manual lay-up process. In addition, the de Luxe offers an exceptionally long service life. With its design and maximized bed depth, the model can be operated as a sand or multi-layer filter system, optimizing filtration results and improving water quality. The lateral maintenance port simplifies and accelerates an exchange of the filter material. The continuous, special inspection window allows a sight check of the filter material and a visual inspection of the backwash process. Its lightweight design facilitates installation.

- Sand or multi-layer filter
- Special inspection window
- Lateral maintenance port



de Luxe

de Luxe 610	de Luxe 765	de Luxe 910	de Luxe 1080	de Luxe 1250	de Luxe 1400	de Luxe 1800	
80	100	160	230	325	385	700	For pools up to (m³)
610	765	910	1080	1250	1450	1800	ø filter (mm)
1500	1500	1920	1920	2000	2200	2200	Height filter tank (mm)
							Height filter system (mm)
210	210	210	430	430	500	500	ø filling port (DN)
210	210	430	430	430	500	500	Hand hole (DN) service opening
GRP	GRP	GRP	GRP	GRP	GRP	GRP	Material
2.0	2.0	2.0	2.0	2.0	2.0	2.0	Admissible operating pressure (bar)
39	57	73	174	206	299	554	Weight empty, approx. (kg)
300	350	850	1175	1775	2225	3650	Filter filling (kg) / Sand 0.4 - 0.8mm ³
50	100	125	175	225	275	450	Filter filling (kg) / gravel 2.0 - 3.15mm ³
50	100	125	175	225	275	450	Filter filling (kg) / gravel 3.15 - 5.6mm ³
0.29	0.46	0.65	0.92	1.23	1.54	2.54	Filter area (m²)
15	20	32	45	65	80	110	Volume flow rate (m³/h) at 50 m/h
50	50	50	80	80	100	150	Internal and external piping (DN)
2	2	2	3	3			6-way valve (") ¹
					100	150	Front control unit (DN)
Badu 90/13	Badu 90/20	Badu 90/30	Resort 45	Resort 70	Resort 80	Resort 110	Recommended filter pumps

"It is only by using an efficient, correctly sized flocculation and filtration system that you achieve really clean, fresh pool water. A point that is often not given enough attention to in the construction or conversion of swimming pools."

(Dipl.-Ing. Michael Taggesell - Lecturer at the German TÜV Academy providing training courses for swimming pool operators)

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