

High-quality filter tank, improved technology (manual lamination process) for an effective treatment of water.

Filter tank ProFil "S" 610, with filter star and inside piping, d = 610 mm, h = 735 mm  
Art. no.: 0920-008-00



### Brief description

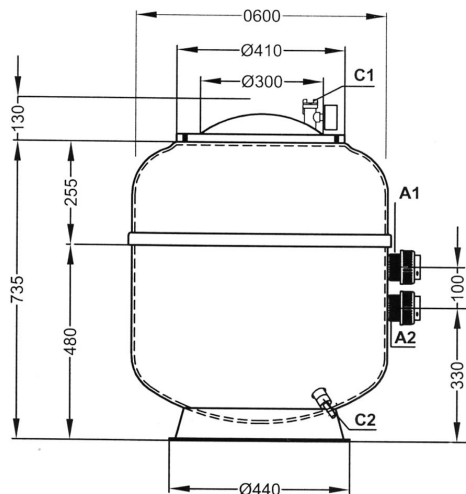
The PROFIL "S" filter tank is manufactured from high-grade, fibre-glass reinforced polyester in a special manual lamination process. The ProFIL "S" is therefore specially resistant to pressure, and is elastic and durable. The seamless construction in one piece allows for the filter sand to be filled up higher, which in turn results in an improved filtration effect and water quality. The large filling and maintenance port with snap fastener makes maintenance fast and easy. Including an automatic and manual tank ventilation, pressure gauge, tank emptying device and inside piping.

### Description

Filter tank with inside piping and connection fitting, stable filter star with automatic ventilation and water distribution (sludge hopper), manual tank ventilation, pressure gauge and tank emptying device made of plastic. Cylindrical filter tank, vertical, in fibre-glass reinforced polyester resin, manufactured using a special manual lamination process, on GRP base ring. Entirely homogenous overall construction, exclusively in GRP. High resistance to pressure and high elasticity, suitable for continuous operation. The used isophthalic acid resins are completely resistant to chemicals (with the exception of ozone) and food-safe. Tank surface (gel coat) solid-coloured, with UV protection, especially scratch-resistant and insensitive to mechanical and chemical stress. Inner finishing layer of tank made of highly scratch-resistant and abrasion-proof isophthalic acid resin coating (gel coat). Acid proof and alkaline resistant. Large filling and maintenance port in upper tank floor including lid, O-ring sealing and screws, diameter 290 mm.

### Technical data

Operating pressure:	max. 2 bar
Tank diameter:	610 mm
Tank height with base:	735 mm
Filter area:	0.29 m <sup>2</sup>
Equipment:	Filter star with 6 filter arms,
Slot width:	0.25 mm
Suitable for pool volumes:	approx. 80 m <sup>3</sup>
Sand fill:	approx. 175 kg
Weight without sand:	32.5 kg
Size (w x d x h):	610 x 912 x 865 mm
Screw connection untreated water:	DN/d in mm: 40 / 50
Screw connection treated water:	DN/d in mm: 40 / 50
Threaded connection tank ventilation:	R ¼"



### Use

Suitable for pools up to approx. 80 m<sup>3</sup> in the private sector

### Accessories



**0980-424-01**  
Pump BADU 90/11 W, 230 V/50 Hz, 0.69 kW



**0980-461-01**  
Pump BADU TOP 12, 230 V/50 Hz, 0.69 kW



**0907-040-00**  
Filter pallet



**0980-425-00**  
Pump BADU 90/11 D, 400V/50Hz, 0.66kW



**0930-281-00**  
Quartz sand DIN 19623



**1040-816-00**  
Filter Cleaner RAPID - 1 l

### Spare parts



**0907-199-00**  
Emptying device filter tank ProFil "S"



**0907-015-00**  
Pressure gauge holder in nylon, black



**0920-260-00**  
Sand filter tank SENATOR "S" 610

### This may be interesting for you



Sandfilterbehälter SENATOR "S" 910, mit 6 Wege Ventil 2", Bausatz  
Art-Nr.: 0920-270-00

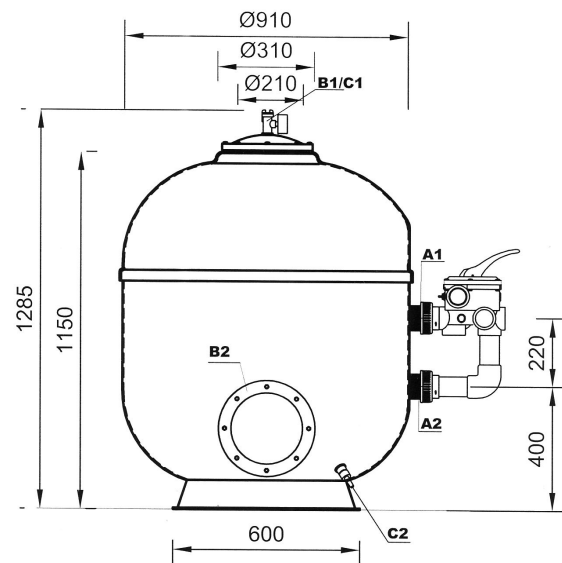
### Beschreibung

dinotec-Filterbehälter Senator „S“ aus hochwertigem, glasfaserverstärktem Polyester, Wartungsöffnung 210 mm, Füllöffnung 210 mm, automatischer und manueller Behälterentlüftung, Behälterentleerung, Innenverrohrung sowie Filterstern, und 6-Wege-Ventil

### Technische Daten

Legende technische Zeichnung:

Nr.	Bezeichnung Nenndurchmesser DN
A1	PVC-Verschraubung-Rohwasser / Schlammwasser DN 40 d 50
A2	PVC-Verschraubung-Reinwasser / Spülwasser DN 40 d 50
B1	Füllöffnung Ø 210
B2	Revisionsöffnung DN 150
C1	Entlüftungsanschluss-Gew. R1/2"
C2	Entleerung Typ EH



0920-272-00  
Sandfilterbehälter SENATOR "S" 910

### Für Sie interessant

## dinotec GmbH

Wassertechnologie und Schwimmbadtechnik

Spessartstrasse 7  
D - 63477 Maintal

Tel: +49(0)6109-6011-0  
Fax: +49(0)6109-6011-90  
Hotline: +49(0)6109-6011-72  
eMail: mail@dinotec.de  
Internet: www.dinotec.de

Technische Änderungen und Irrtümer vorbehalten.

Artikelfoto kann abweichen.

Haben Sie Fragen? Unsere Hotline hilft Ihnen gerne weiter.

Stand: 29.01.2009

High-capacity filter tank with nozzle plate for a professional, commercial use.

Filter tank "Public" 910, GRP, with inspection window, Assembly kit  
Art. no.: 1941-006-00



### Brief description

Manufactured from high quality, fiberglass-reinforced polyester in a special hand-lamination process. Owing to the high quality of workmanship, the Public provides a particularly high resistance to pressure and is also resistant to temperature and chemicals. In addition, the Public has an exceptionally long service life. The low weight facilitates installation. The low lateral maintenance port simplifies and accelerates an exchange of the filter material. An inspection windows allows a visual check of the filter surface.

The nozzle plate features a higher number of filter nozzles as specified in the DIN standards. This ensures that an optimum effect of the backwash process, which in turn results in an improved water quality and longer service life of the filter material. In addition, a support layer is not required due to the fine nozzle slots. Furthermore, only one sand grain size is needed, which means a simplified handling (logistics, filling).

Inside piping in corrosion-resistant plastics, sludge hopper, nozzle plate and filter nozzles in absolutely corrosion resistant plastics.

### Description

Filter tank with inside piping and mounted flange adaptor (as cement socket) for further piping. With nozzle plate in GRP (vinylester) and filter nozzles in PP (polypropylene). 54 filter nozzles (nozzle plates to DIN have only 39 nozzles), for an improved flow during backwash. Nozzles with fine slots 0.25mm, allow the use of sand grain sizes of 0.4 - 0.8mm without support layer. Purge air connection optionally possible. Two water distributors (sludge hopper) in PVC. Cylindrical filter tank, vertical, in fibre-glass reinforced polyester resin. Manufactured using a special manual lamination process. On GRP base ring. Entirely homogenous overall construction, exclusively in GRP. High resistance to pressure and high elasticity, suitable for continuous operation. The used isophthalic acid resins are completely resistant to chemicals (with the exception of ozone) and food-safe. Tank surface (gel coat) solid-coloured, with UV protection, especially scratch-resistant and insensitive to mechanical and chemical stress. Inner finishing layer of tank made of highly scratch-resistant and abrasion-proof isophthalic acid resin coating (gel coat). Acid proof and alkaline resistant. Large filling and maintenance port in upper tank floor including lid, diameter 210 mm. Lateral maintenance port, diameter 430 mm in cylindrical shell Lid of filling port in plastic (nylon), lid of maintenance port in GRP, both with O-ring sealing and mounting accessories. Acrylic inspection glass for checking the filter surface, glass placed above the lateral maintenance port. Viewing glass dimensions 55 x 245 mm. Including o\_ring sealing and mounting accessories.

Colour: yellow - RAL 1021

Guarantee 5 years

### Technical data

Operating pressure:	max. 2 bar
Tank diameter:	910 mm
Tank height:	2325 mm
Filter area:	0.65 m <sup>2</sup>

## Technical data

Equipment:	Nozzle plate with 54 nozzles
Slot width:	0.25 mm
Equipped with purge air connection:	Nozzle plate with 54 air-cushion nozzles
Slot width:	0.25 mm
Filter performance:	
Approved for volume flows:	Q = 19.5 m <sup>3</sup> /h at 30 m
Filter speed to:	DIN 19643
Sand fill:	1170 kg (single-layer)
Weight without sand:	180 kg
Size Ø x h:	910 mm x 2325 mm
Connection untreated water:	100 / 110 DN/d in mm
Connection treated water:	80 / 90 DN/d in mm
Threaded connection tank ventilation:	R½"
Filter tank emptying:	In piping, to be provided by customer

## Use

Suitable for pools in the private, commercial and public sectors.

## Accessories



**0980-585-00**  
BADU RESORT 30 circulation pump



**1974-046-00**  
One-phase transformer, primary 230V



**1974-045-00**  
One-phase transformer, primary 230V

**1919-001-00**  
Purge air connection for public tank



**0984-304-00**  
Ventilation valve for filter tanks Public



**1974-100-00**  
Test panel complete



**0930-281-00**  
Quartz sand DIN 19623



**1040-816-00**  
Filter Cleaner RAPID - 1 l

## dinotec GmbH

Water and Pool Technology

Spessartstrasse 7  
63477 Maintal/Germany

Tel: +49(0)6109-6011-0  
Fax: +49(0)6109-6011-90  
Hotline: +49(0)6109-6011-72  
E-Mail: mail@dinotec.de  
Internet: www.dinotec.de

Subject to technical changes. Errors excepted.

Photo of item may be different.

Do you have any questions? Our hotline will be happy to help.

Status: 15.11.17

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

The de Luxe fixed-bed filter is manufactured from high-grade, fibre-glass reinforced polyester in a special manual lay-up process. In addition, the de Luxe offers an exceptionally long service life. Owing to its construction and a maximised filling height, the model can be operated as sand or multi-layer filter system; the filtration performance is optimised and the water quality improved. 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. The low weight facilitates the 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 vessel (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	Sand filling (kg) / Sand 0.4 - 0.8 mm
50	100	125	175	225	275	450	Sand filling (kg) / Sand 2.0 - 3.15 mm
50	100	125	175	225	275	450	Sand filling (kg) / Sand 3.15 - 5.6 mm
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