

**TREPOVI**  
GRP Solutions

CATALOGUE

[www.trepovi.com](http://www.trepovi.com)



Trepovi is a company with more than 25 years of experience in the manufacture and design of fibreglass-reinforced polyester equipment (GRP), intended for the treatment of water, air and the storage of chemical products.



The company was founded in 1995 in Solsona (Lleida), where our new facilities are currently located, with a surface area of 18,000 m<sup>2</sup>.

The factory, north of the industrial belt of Barcelona, is strategically located in order to have good communication with Barcelona port and airport.

**We are a national reference in the manufacture of PRFV equipment, with a strong international impact.**

Hand in hand with great engineering companies, our company has offered its equipment to installations in countries such as the United States, Mexico, Saudi Arabia or the United Arab Emirates, among others.

## **We have a team of more than 40 people to provide the utmost professionalism to our clients.**

Our technical department offers you products 100% adapted to each type of application or industry.

Currently, in a globalised world, it is our obligation to be able to respond to international clients, from any country, adapting to the regulations and needs of each region, and facilitating transport to the place of destination.

## **GRP solutions for engineering and water treatment.**

**Design and manufacture according to American and European regulations.**

We are known for offering the highest quality and reliability in our products, as well as for seeking solutions and designs adapted to the needs of our customers. Our technical office carries out all the equipment design, as well as its structural calculation, allowing us to have total control of the entire process and to be able to offer the highest quality and guarantee.

We design and manufacture the equipment according to the European **UNE-13121** standard, the American **ASME X** or **RTP-1**, or any other that our client requires, also using other tools such as calculation with finite element programmes to optimise materials and operation. We offer seismic calculations and wind simulations for any country.

We design equipment for water and air treatment according to the needs of each application, helping our clients to find solutions for their projects.

**Our tanks for chemical products are characterised by high quality, durability and an excellent exterior finish.**

# MANUFACTURE OF GRP EQUIPMENT



## WATER

We are specialists in the manufacture and design of all types of compact plants and equipment for the treatment of water, both residual and potable: treatment plants, pressure filters, decanters, lamellar, etc.



## DRINKING WATER

We manufacture tanks for drinking water with the highest quality and guarantee.



## AIR

We manufacture towers for both gases and liquids, absorption systems (scrubbers), desorption (stripping), biofilters, etc.



## CHEMICAL PRODUCTS

We are specialists in the manufacture of tanks for chemical products, of all shapes and sizes, single or double-walled, insulated, heated, etc.



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# FILTERS

## CARBON FILTERS



## ION EXCHANGERS



## CALCITE FILTERS

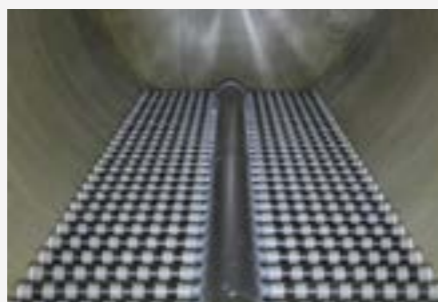


## ACCESSORIES

NOZZLE PLATE



COLLECTORS



SIGHT GLASSES



## INDUSTRIAL FILTERS

Designed to work in the most difficult conditions and facilitate maintenance.



## START FILTERS

For the most economical use.



## CARTRIDGE FILTERS

We manufacture **cartridge filters** for large installations. We have two standard models (2 and 3 bodies), but as always, our specialty is manufacturing to size.



# INDUSTRIAL FILTERS VERTICAL

Pressure tanks for water treatment to be used as Sand filters, carbon filters, ion-exchange. Designed according UNE 13121, for a wide range of pressures.

Available at 2 basic configurations: collector arms or nozzles plate. Big manholes for an easy maintenance.

## APPLICATIONS

Pure Water, Desalination, process water, waste water, sea water, corrosive ambient, chemical industries...

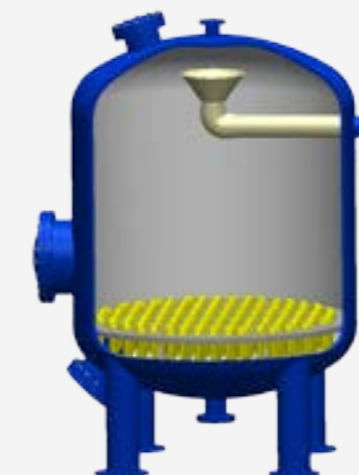
## Nozzle plate

### STANDARD EQUIPMENT

- Design pressure: 2.5, 4, 6, 8, 10 bar
- Test pressure: 1.5 x Design pressure
- GRP (Glass reinforced plastic) flanges, DIN 2501 FF
- Chemical barrier: isophthalic resin.
- Mechanical reinforcement: ortophthalic resin.
- Ambient temperature
- Tank designed acc. UNE 13121
- Stainless steel lifting lugs, AISI 304
- GRP legs
- Nozzle plate in GRP. Maximum differential pressure: 0,8 bar
- Nozzles in PP. Slots: 0,25 mm
- Color defined by customer (RAL chart)
- Polyurethane external coating (UV resistant)

### UNDER REQUEST

- Different pressures, heights and diameters
- Additional flanges, manholes, sightglasses...
- Other leg heights
- Accesories: battery valves, electrical panel, ...
- Other plate differential pressures
- Resin acc. to pH/temperature ranges
- Different nozzle materials, acc. to pH/temperature ranges
- Other Standards: ASME, ...
- Seismic and wind calculations



## Nozzle plate

CODE	Ø	Height			Manholes			Flanges	
		Cylindrica I H <sub>c</sub>	Free H <sub>L</sub>	Total H <sub>T</sub>	Lateral DN (mm)	Bottom DN (mm)	Filling DN (mm)	Inlet-outlet DN (mm)	Security DN (mm)
FIVP-1000-1400	1000	1400	400	2460	400	400	250	80	50
FIVP-1000-2050		2050	400	3110	400	400	250	80	50
FIVP-1000-2350		2350	400	3410	400	400	250	80	50
FIVP-1200-1400	1200	1400	450	2600	400	400	250	100	50
FIVP-1200-2050		2050	450	3250	400	400	250	100	50
FIVP-1200-2350		2350	450	3550	400	400	250	100	50
FIVP-1400-1300	1400	1300	500	2660	500	400	250	125	50
FIVP-1400-1950		1950	500	3310	500	400	250	125	50
FIVP-1400-2250		2250	500	3610	500	400	250	125	50
FIVP-1600-1300	1600	1300	500	2750	500	400	250	125	50
FIVP-1600-1950		1950	500	3400	500	400	250	125	50
FIVP-1600-2250		2250	500	3700	500	400	250	125	50
FIVP-1800-1300	1800	1300	550	2910	500	400	250	150	80
FIVP-1800-1950		1950	550	3560	500	400	250	150	80
FIVP-1800-2250		2250	550	3860	500	400	250	150	80
FIVP-2000-1300	2000	1300	550	3030	500	400	250	150	80
FIVP-2000-1950		1950	550	3680	500	400	250	150	80
FIVP-2000-2250		2250	550	3980	500	400	250	150	80
FIVP-2250-1300	2250	1300	650	3250	500	400	250	200	80
FIVP-2250-1950		1950	650	3900	500	400	250	200	80
FIVP-2250-2250		2250	650	4200	500	400	250	200	80
FIVP-2500-1300	2500	1300	650	3430	500	500	250	200	80
FIVP-2500-1950		1950	650	4080	500	500	250	200	80
FIVP-2500-2250		2250	650	4380	500	500	250	200	80
FIVP-2800-1300	2800	1300	800	3740	500	500	250	250	100
FIVP-2800-1950		1950	800	4390	500	500	250	250	100
FIVP-2800-2250		2250	800	4690	500	500	250	250	100
FIVP-3000-1300	3000	1300	800	3820	500	500	250	250	100
FIVP-3000-1950		1950	800	4470	500	500	250	250	100
FIVP-3000-2250		2250	800	4770	500	500	250	250	100
FIVP-3400-1300	3400	1300	800	4000	500	500	250	250	100
FIVP-3400-1950		1950	800	4650	500	500	250	250	100
FIVP-3400-2250		2250	800	4950	500	500	250	250	100
FIVP-4000-1300	4000	1300	850	4390	500	500	250	300	100
FIVP-4000-1950		1950	850	5040	500	500	250	300	100
FIVP-4000-2250		2250	850	5340	500	500	250	300	100

# INDUSTRIAL FILTERS VERTICAL

## Collector arms

### STANDARD EQUIPMENT

- Design pressure: 2.5, 4, 6, 8, 10 bar
- Test pressure: 1.5 x Design pressure
- GRP (Glass reinforced plastic) flanges, DIN 2501 FF
- Chemical barrier: isophthalic resin.
- Mechanical reinforcement: ortophthalic resin.
- Ambient temperature
- Tank designed acc. UNE 13121
- Stainless steel lifting lugs, AISI 304
- GRP legs
- Threaded filtering arms in PP. Slots: 0,25 mm
- Color defined by customer (RAL chart)
- Polyurethane external coating (UV resistant)

### UNDER REQUEST

- Different pressures, heights and diameters
- Additional flanges, manholes, sightglasses...
- Other leg heights
- Accesories: battery valves, electrical panel, ...
- Resin acc. to pH/temperature ranges
- Different collector materials, acc. to pH/temperature ranges
- Other Standards: ASME, ...
- Seismic and wind calculations



## Collector arms

CODE	Ø	Height			Manhole		Flange		
		Cylindrical H <sub>C</sub>	Free H <sub>L</sub>	Total H <sub>T</sub>	Lateral	Filling	Inlet-outlet	Drainage	Safety
	mm	mm	mm	mm	DN (mm)	DN (mm)	DN (mm)	DN (mm)	DN (mm)
FIVC-1000-1300	1000	1300	400	2360	400	250	80	40	50
FIVC-1000-1950		1950	400	3010	400	250	80	40	50
FIVC-1000-2250		2250	400	3310	400	250	80	40	50
FIVC-1200-1300	1200	1300	450	2500	400	250	100	40	50
FIVC-1200-1950		1950	450	3150	400	250	100	40	50
FIVC-1200-2250		2250	450	3450	400	250	100	40	50
FIVC-1400-1300	1400	1300	500	2660	500	250	125	50	50
FIVC-1400-1950		1950	500	3310	500	250	125	50	50
FIVC-1400-2250		2250	500	3610	500	250	125	50	50
FIVC-1600-1300	1600	1300	500	2750	500	250	125	50	50
FIVC-1600-1950		1950	500	3400	500	250	125	50	50
FIVC-1600-2250		2250	500	3700	500	250	125	50	50
FIVC-1800-1300	1800	1300	550	2910	500	250	150	50	80
FIVC-1800-1950		1950	550	3560	500	250	150	50	80
FIVC-1800-2250		2250	550	3860	500	250	150	50	80
FIVC-2000-1300	2000	1300	550	3030	500	250	150	50	80
FIVC-2000-1950		1950	550	3680	500	250	150	50	80
FIVC-2000-2250		2250	550	3980	500	250	150	50	80
FIVC-2250-1300	2250	1300	650	3250	500	250	200	80	80
FIVC-2250-1950		1950	650	3900	500	250	200	80	80
FIVC-2250-2250		2250	650	4200	500	250	200	80	80
FIVC-2500-1300	2500	1300	650	3430	500	250	200	80	80
FIVC-2500-1950		1950	650	4080	500	250	200	80	80
FIVC-2500-2250		2250	650	4380	500	250	200	80	80
FIVC-2800-2800	2800	1300	800	3740	500	250	250	80	100
FIVC-2800-1950		1950	800	4390	500	250	250	80	100
FIVC-2800-2250		2250	800	4690	500	250	250	80	100
FIVC-3000-1300	3000	1300	800	3820	500	250	250	80	100
FIVC-3000-1950		1950	800	4470	500	250	250	80	100
FIVC-3000-2250		2250	800	4770	500	250	250	80	100
FIVC-3400-1300	3400	1300	800	4000	500	250	250	80	100
FIVC-3400-1950		1950	800	4650	500	250	250	80	100
FIVC-3400-2250		2250	800	4950	500	250	250	80	100
FIVC-4000-1300	4000	1300	850	4390	500	250	300	80	100
FIVC-4000-1950		1950	850	5040	500	250	300	80	100
FIVC-4000-2250		2250	850	5340	500	250	300	80	100



# INDUSTRIAL FILTERS VERTICAL





# INDUSTRIAL FILTERS HORIZONTAL

Pressure tanks for water treatment to be used as sand filters or carbon filters...

Designed according UNE 13121, for a wide range of pressures, from 1 bar up to more than 10 bar. Available at 2 basic configurations: collector arms or nozzles plate.

All delivered with big manholes (>DN 500) to allow easy maintenance.

## APPLICATIONS

Pure Water, desalination, process water, waste water, sea water, corrosive ambient, chemical industries...

## TAYLOR MADE ON BASIS OF

- Dimensions can be totally adjusted to customer needs on basis of a standard diameters from 800 mm up to 4000 mm.
- Configuration can be totally adapted to customer requirements: number, type and position of openings, flanges, connections, sight glasses, control sensors, degassing openings...
- Adequate resin to improve chemical, temperature resistance of tanks to a wide range of requirements: isophthalic, vinyl ester, and others...
- Internal nozzles in materials such as PP, PA6GF30, PVDF and connected by thread, bayonet, and others...





## START FILTERS VERTICAL

The first option in filtering process. Vertical pressure tanks for water treatment to be used as sand filters, carbon filters, ion-exchange. Designed according UNE 13121, for a wide range of pressures.

### APPLICATIONS

Swimming pools, Pure Water, desalination, process water, waste water, sea water, corrosive ambient...

## Nozzle plate

### STANDARD EQUIPMENT

- Design pressure: 2,5, 4, 6 bar
- Test pressure: 1,5 x Design pressure
- GRP (Glass reinforced plastic) or PVC flanges, DIN 2501 FF
- Chemical barrier: isophthalic resin.
- Mechanical reinforcement: ortophthalic resin.
- Ambient temperature
- Tank designed acc. UNE 13121
- Stainless steel lifting lugs, AISI 304
- GRP base
- Nozzle plate in GRP. Maximum differential pressure: 0,8 bar
- Nozzles in PP. Slots: 0,25 mm
- Color defined by customer (RAL chart)
- Polyurethane external coating (UV resistant)

### UNDER REQUEST

- Different pressures, heights and diameters
- Additional flanges, manholes, sightglasses...
- Accesories: battery valves, electrical panel, ...
- Other plate differential pressures
- Resin acc. to pH/temperature ranges
- Different nozzle materials, acc. to pH/temperature ranges
- Other Standards: ASME, ...
- Seismic and wind calculations



# START FILTERS VERTICAL

## Nozzle plate

1 m Filtering bed

CODE	Ø	Filtration velocity	Flow	Inlet/Outlet	Manhole	Inspection/drainage flange	Cylindrical height	Filter height	Total height
	mm	m/h	m <sup>3</sup> /h	Ø (mm)	DN (mm)	Ø (mm)	Hc mm	Hf mm	Ht mm
FVSP-10-1000-10	1000	10	8	63	400	150	1400	2062	2143
FVSP-10-1000-20		20	16	63	400	150	1400	2062	2143
FVSP-10-1000-30		30	24	75	400	150	1400	2062	2143
FVSP-10-1000-40		40	31	90	400	150	1400	2062	2143
FVSP-10-1200-10	1200	10	11	63	400	150	1350	2106	2188
FVSP-10-1200-20		20	23	75	400	150	1350	2106	2188
FVSP-10-1200-30		30	34	90	400	150	1350	2106	2188
FVSP-10-1200-40		40	45	90	400	150	1350	2106	2188
FVSP-10-1400-10	1400	10	15	63	400	150	1250	2139	2221
FVSP-10-1400-20		20	31	75	400	150	1250	2139	2221
FVSP-10-1400-30		30	46	90	400	150	1250	2139	2221
FVSP-10-1400-40		40	62	110	400	150	1250	2139	2221
FVSP-10-1600-10	1600	10	20	75	500	150	1250	2259	2352
FVSP-10-1600-20		20	40	90	500	150	1250	2259	2352
FVSP-10-1600-30		30	60	110	500	150	1250	2259	2352
FVSP-10-1600-40		40	80	140	500	150	1250	2259	2352
FVSP-10-1800-10	1800	10	25	90	500	150	1200	2310	2403
FVSP-10-1800-20		20	51	110	500	150	1200	2310	2403
FVSP-10-1800-30		30	76	140	500	150	1200	2310	2403
FVSP-10-1800-40		40	102	160	500	150	1200	2310	2403
FVSP-10-2000-10	2000	10	31	110	500	200	1200	2450	2543
FVSP-10-2000-20		20	63	125	500	200	1200	2450	2543
FVSP-10-2000-30		30	94	160	500	200	1200	2450	2543
FVSP-10-2000-40		40	126	160	500	200	1200	2450	2543
FVSP-10-2250-10	2250	10	40	110	500	200	1200	2568	2662
FVSP-10-2250-20		20	80	140	500	200	1200	2568	2662
FVSP-10-2250-30		30	119	160	500	200	1200	2568	2662
FVSP-10-2250-40		40	159	225	500	200	1200	2568	2662
FVSP-10-2500-10	2500	10	49	125	500	200	1200	2755	2849
FVSP-10-2500-20		20	98	160	500	200	1200	2755	2849
FVSP-10-2500-30		30	147	200	500	200	1200	2755	2849
FVSP-10-2500-40		40	196	225	500	200	1200	2755	2849
FVSP-10-2800-10	2800	10	62	125	500	200	1200	2930	3024
FVSP-10-2800-20		20	123	160	500	200	1200	2930	3024
FVSP-10-2800-30		30	185	200	500	200	1200	2930	3024
FVSP-10-2800-40		40	246	250	500	200	1200	2930	3024
FVSP-10-3000-10	3000	10	71	140	500	200	1200	3010	3103
FVSP-10-3000-20		20	141	160	500	200	1200	3010	3103
FVSP-10-3000-30		30	212	225	500	200	1200	3010	3103
FVSP-10-3000-40		40	283	250	500	200	1200	3010	3103



## Nozzle plate

1.2 m Filtering bed

CODE	Ø	Filtration velocity	Flow	Inlet/Outlet	Manhole	Inspection/drainage flange	Cylindrical height	Filter height	Total height
	mm	m/h	m <sup>3</sup> /h	Ø (mm)	DN (mm)	Ø (mm)	Hc mm	Hf mm	Ht mm
FVSP-12-1000-10	1000	10	8	63	400	150	1700	2362	2443
FVSP-12-1000-20		20	16	63	400	150	1700	2362	2443
FVSP-12-1000-30		30	24	75	400	150	1700	2362	2443
FVSP-12-1000-40		40	31	90	400	150	1700	2362	2443
FVSP-12-1200-10	1200	10	11	63	400	150	1650	2406	2488
FVSP-12-1200-20		20	23	75	400	150	1650	2406	2488
FVSP-12-1200-30		30	34	90	400	150	1650	2406	2488
FVSP-12-1200-40		40	45	90	400	150	1650	2406	2488
FVSP-12-1400-10	1400	10	15	63	400	150	1550	2439	2521
FVSP-12-1400-20		20	31	75	400	150	1550	2439	2521
FVSP-12-1400-30		30	46	90	400	150	1550	2439	2521
FVSP-12-1400-40		40	62	110	400	150	1550	2439	2521
FVSP-12-1600-10	1600	10	20	75	500	150	1550	2559	2652
FVSP-12-1600-20		20	40	90	500	150	1550	2559	2652
FVSP-12-1600-30		30	60	110	500	150	1550	2559	2652
FVSP-12-1600-40		40	80	140	500	150	1550	2559	2652
FVSP-12-1800-10	1800	10	25	90	500	150	1500	2610	2703
FVSP-12-1800-20		20	51	110	500	150	1500	2610	2703
FVSP-12-1800-30		30	76	140	500	150	1500	2610	2703
FVSP-12-1800-40		40	102	160	500	150	1500	2610	2703
FVSP-12-2000-10	2000	10	31	110	500	200	1500	2750	2843
FVSP-12-2000-20		20	63	125	500	200	1500	2750	2843
FVSP-12-2000-30		30	94	160	500	200	1500	2750	2843
FVSP-12-2000-40		40	126	160	500	200	1500	2750	2843
FVSP-12-2250-10	2250	10	40	110	500	200	1500	2868	2962
FVSP-12-2250-20		20	80	140	500	200	1500	2868	2962
FVSP-12-2250-30		30	119	160	500	200	1500	2868	2962
FVSP-12-2250-40		40	159	225	500	200	1500	2868	2962
FVSP-12-2500-10	2500	10	49	125	500	200	1500	3055	3149
FVSP-12-2500-20		20	98	160	500	200	1500	3055	3149
FVSP-12-2500-30		30	147	200	500	200	1500	3055	3149
FVSP-12-2500-40		40	196	225	500	200	1500	3055	3149
FVSP-12-2800-10	2800	10	62	125	500	200	1500	3230	3324
FVSP-12-2800-20		20	123	160	500	200	1500	3230	3324
FVSP-12-2800-30		30	185	200	500	200	1500	3230	3324
FVSP-12-2800-40		40	246	250	500	200	1500	3230	3324
FVSP-12-3000-10	3000	10	71	140	500	200	1500	3310	3403
FVSP-12-3000-20		20	141	160	500	200	1500	3310	3403
FVSP-12-3000-30		30	212	225	500	200	1500	3310	3403
FVSP-12-3000-40		40	283	250	500	200	1500	3310	3403



# START FILTERS VERTICAL

## Collectors

### STANDARD EQUIPMENT

- Design pressure: 2.5, 4, 6 bar
- Test pressure: 1.5 x Design pressure
- GRP (Glass reinforced plastic) or PVC flanges, DIN 2501 FF
- Chemical barrier: isophthalic resin.
- Mechanical reinforcement: ortophthalic resin.
- Ambient temperature
- Tank designed acc. UNE 13121
- Stainless steel lifting lugs, AISI 304
- GRP base
- Bayonet filtering arms in PP. Slots: 0,25 mm
- Color defined by customer (RAL chart)
- Polyurethane external coating (UV resistant)

### ON REQUEST

- Different pressures, heights and diameters
- Additional flanges, manholes, sightglasses...
- Accesories: battery valves, electrical panel, ...
- Resin acc. to pH/temperature ranges
- Different collector materials, acc. to pH/temperature ranges
- Other Standards: ASME, ...
- Seismic and wind calculations



# START FILTERS VERTICAL

## Collectors

1 m Filtering bed

CODE	Ø	Filtration velocity	Flow	Inlet/Outlet	Manhole	Inspection/drainage flange	Cylindrica l height	Filter height	Total height
	mm	m/h	m3/h	Ø (mm)	DN (mm)	Ø (mm)	Hc mm	Hf mm	Ht mm
FSVC-10-1000-10	1000	10	8	63	400	40	1200	1862	1943
FSVC-10-1000-20		20	16	63	400	40	1200	1862	1943
FSVC-10-1000-30		30	24	75	400	40	1200	1862	1943
FSVC-10-1000-40		40	31	90	400	40	1200	1862	1943
FSVC-10-1200-10	1200	10	11	63	400	40	1200	1956	2038
FSVC-10-1200-20		20	23	75	400	40	1200	1956	2038
FSVC-10-1200-30		30	34	90	400	40	1200	1956	2038
FSVC-10-1200-40		40	45	90	400	40	1200	1956	2038
FSVC-10-1400-10	1400	10	15	63	400	50	1200	2089	2171
FSVC-10-1400-20		20	31	75	400	50	1200	2089	2171
FSVC-10-1400-30		30	46	90	400	50	1200	2089	2171
FSVC-10-1400-40		40	62	110	400	50	1200	2089	2171
FSVC-10-1600-10	1600	10	20	75	500	50	1200	2209	2302
FSVC-10-1600-20		20	40	90	500	50	1200	2209	2302
FSVC-10-1600-30		30	60	110	500	50	1200	2209	2302
FSVC-10-1600-40		40	80	140	500	50	1200	2209	2302
FSVC-10-1800-10	1800	10	25	90	500	63	1150	2260	2353
FSVC-10-1800-20		20	51	110	500	63	1150	2260	2353
FSVC-10-1800-30		30	76	140	500	63	1150	2260	2353
FSVC-10-1800-40		40	102	160	500	63	1150	2260	2353
FSVC-10-2000-10	2000	10	31	110	500	63	1100	2350	2443
FSVC-10-2000-20		20	63	125	500	63	1100	2350	2443
FSVC-10-2000-30		30	94	160	500	63	1100	2350	2443
FSVC-10-2000-40		40	126	160	500	63	1100	2350	2443
FSVC-10-2250-10	2250	10	40	110	500	63	1100	2468	2562
FSVC-10-2250-20		20	80	140	500	63	1100	2468	2562
FSVC-10-2250-30		30	119	160	500	63	1100	2468	2562
FSVC-10-2250-40		40	159	225	500	63	1100	2468	2562
FSVC-10-2500-10	2500	10	49	125	500	75	1100	2655	2749
FSVC-10-2500-20		20	98	160	500	75	1100	2655	2749
FSVC-10-2500-30		30	147	200	500	75	1100	2655	2749
FSVC-10-2500-40		40	196	225	500	75	1100	2655	2749
FSVC-10-2800-10	2800	10	62	125	500	75	1100	2830	2924
FSVC-10-2800-20		20	123	160	500	75	1100	2830	2924
FSVC-10-2800-30		30	185	200	500	75	1100	2830	2924
FSVC-10-2800-40		40	246	250	500	75	1100	2830	2924
FSVC-10-3000-10	3000	10	71	140	500	75	1100	2910	3003
FSVC-10-3000-20		20	141	160	500	75	1100	2910	3003
FSVC-10-3000-30		30	212	225	500	75	1100	2910	3003
FSVC-10-3000-40		40	283	250	500	75	1100	2910	3003



## Collectors

1.2 m Filtering bed

CODE	Ø	Filtration velocity	Flow	Inlet/Outlet	Manhole	Inspection/drainage flange	Cylindrica l height	Filter height	Total height
	mm	m/h	m3/h	Ø (mm)	DN (mm)	Ø (mm)	Hc mm	Hf mm	Ht mm
FVSC-12-1000-10	1000	10	8	63	400	40	1500	2162	2243
FVSC-12-1000-20		20	16	63	400	40	1500	2162	2243
FVSC-12-1000-30		30	24	75	400	40	1500	2162	2243
FVSC-12-1000-40		40	31	90	400	40	1500	2162	2243
FVSC-12-1200-10	1200	10	11	63	400	40	1500	2256	2338
FVSC-12-1200-20		20	23	75	400	40	1500	2256	2338
FVSC-12-1200-30		30	34	90	400	40	1500	2256	2338
FVSC-12-1200-40		40	45	90	400	40	1500	2256	2338
FVSC-12-1400-10	1400	10	15	63	400	50	1500	2389	2471
FVSC-12-1400-20		20	31	75	400	50	1500	2389	2471
FVSC-12-1400-30		30	46	90	400	50	1500	2389	2471
FVSC-12-1400-40		40	62	110	400	50	1500	2389	2471
FVSC-12-1600-10	1600	10	20	75	500	50	1500	2509	2602
FVSC-12-1600-20		20	40	90	500	50	1500	2509	2602
FVSC-12-1600-30		30	60	110	500	50	1500	2509	2602
FVSC-12-1600-40		40	80	140	500	50	1500	2509	2602
FVSC-12-1800-10	1800	10	25	90	500	63	1450	2560	2653
FVSC-12-1800-20		20	51	110	500	63	1450	2560	2653
FVSC-12-1800-30		30	76	140	500	63	1450	2560	2653
FVSC-12-1800-40		40	102	160	500	63	1450	2560	2653
FVSC-12-2000-10	2000	10	31	110	500	63	1400	2650	2743
FVSC-12-2000-20		20	63	125	500	63	1400	2650	2743
FVSC-12-2000-30		30	94	160	500	63	1400	2650	2743
FVSC-12-2000-40		40	126	160	500	63	1400	2650	2743
FVSC-12-2250-10	2250	10	40	110	500	63	1400	2768	2862
FVSC-12-2250-20		20	80	140	500	63	1400	2768	2862
FVSC-12-2250-30		30	119	160	500	63	1400	2768	2862
FVSC-12-2250-40		40	159	225	500	63	1400	2768	2862
FVSC-12-2500-10	2500	10	49	125	500	75	1400	2955	3049
FVSC-12-2500-20		20	98	160	500	75	1400	2955	3049
FVSC-12-2500-30		30	147	200	500	75	1400	2955	3049
FVSC-12-2500-40		40	196	225	500	75	1400	2955	3049
FVSC-12-2800-10	2800	10	62	125	500	75	1400	3130	3224
FVSC-12-2800-20		20	123	160	500	75	1400	3130	3224
FVSC-12-2800-30		30	185	200	500	75	1400	3130	3224
FVSC-12-2800-40		40	246	250	500	75	1400	3130	3224
FVSC-12-3000-10	3000	10	71	140	500	75	1400	3210	3303
FVSC-12-3000-20		20	141	160	500	75	1400	3210	3303
FVSC-12-3000-30		30	212	225	500	75	1400	3210	3303
FVSC-12-3000-40		40	283	250	500	75	1400	3210	3303



## FILTERS WITH NOZZLE PLATE

### START FILTER

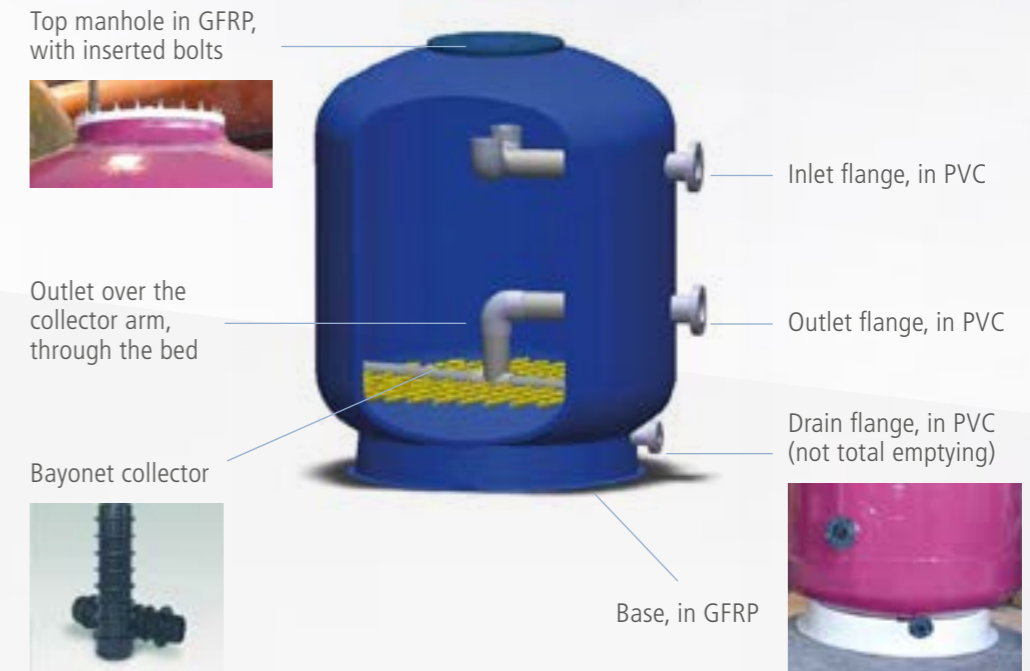


### INDUSTRIAL FILTER



## FILTERS WITH COLLECTOR ARMS

### START FILTER



### INDUSTRIAL FILTER



# CARTRIDGE FILTERS

TREPOVI Cartridge filters in GRP are the best solution for harsh environments, such as industries or desalination plants.

Filters are designed according well known and widely recognized standards (UNE EN 13121, ASME X...), complying with the European standard of pressure equipment CE 97/23. Paint for UV-Protection

Can be configured in vertical or horizontal position.

## APPLICATION

Sea water, process water, pure water, desalination...

## STANDARD EQUIPMENT

- Design pressure: 2.5, 4, 6, 8, 10 bar
- Test pressure: 1.5 x Design pressure
- GRP (Glass reinforced plastic) flanges, DIN 2501 FF
- Chemical barrier: isophthalic resin.
- Mechanical reinforcement: ortophthalic resin.
- Ambient temperature
- Stainless steel lifting lugs, AISI 304
- GRP legs
- Plate in GRP. Maximum differential pressure: 1,5 bar
- Stainless steel bolts, AISI 304. Internal bolts in Super duplex
- Flow calculations with 0.7 m3/h·10"
- Tank designed acc. UNE 13121
- Color defined by customer (RAL chart)
- Polyurethane external coating (UV resistant)

## UNDER REQUEST

- Other pressures, heights and diameters
- High Flow, bags
- Additional flanges, manholes, sightglasses...
- Other leg heights
- Inlet/outlet with GRP elbows
- Other plate differential pressures
- Resin acc. to pH/temperature ranges
- Different bolt materials
- Other Standards: ASME, ...
- Seismic and wind calculations



## 2 Bodies

REF.	Ø	TOTAL HEIGHT	CYLINDRICAL HEIGHT	FLOW DESIGN	CARTRIDGE LENGTH	CARTRIDGE LENGTH	nos. CARTRIDGES	DN inlet/outlet	DN drainage	DN safety	DN bleed
	mm	mm	mm	m3/h	"	mm		mm	mm	mm	mm
FCV2-0500-40	500	2160	1100	87	40	1016	31	125	50	50	32
FCV2-0500-50	500	2430	1370	109	50	1270	31	125	50	50	32
FCV2-0500-70	500	3050	1900	152	70	1778	31	150	50	65	32
FCV2-0800-40	800	2565	1100	255	40	1016	91	200	50	80	40
FCV2-0800-50	800	2935	1370	319	50	1270	91	250	50	80	40
FCV2-0800-70	800	3560	1900	446	70	1778	91	300	50	100	40
FCV2-1000-40	1000	2760	1110	423	40	1016	151	250	50	100	50
FCV2-1000-50	1000	3230	1400	529	50	1270	151	300	50	100	50
FCV2-1000-70	1000	4100	1950	740	70	1778	151	400	50	125	50
FCV2-1200-40	1200	3085	1150	594	40	1016	212	300	65	125	50
FCV2-1200-50	1200	3700	1455	742	50	1270	212	400	65	125	50
FCV2-1200-70	1200	4200	1950	1039	70	1778	212	400	65	150	50
FCV2-1400-40	1400	3575	1200	876	40	1016	313	400	65	150	65
FCV2-1400-50	1400	3825	1450	1096	50	1270	313	400	65	150	65
FCV2-1400-70	1400	4475	2000	1534	70	1778	313	500	65	200	65
FCV2-1600-40	1600	3830	1250	1179	40	1016	421	500	80	150	80
FCV2-1600-50	1600	4075	1495	1474	50	1270	421	500	80	200	80
FCV2-1600-70	1600	4730	2050	2063	70	1778	421	600	80	200	80
FCV2-1800-40	1800	3950	1250	1431	40	1016	511	500	80	200	100
FCV2-1800-50	1800	4210	1500	1789	50	1270	511	500	80	200	100
FCV2-1800-70	1800	4860	2050	2504	70	1778	511	600	80	250	100



## 3 Bodies

REF.	Ø	TOTAL HEIGHT	CYLINDRICAL HEIGHT	FLOW DESIGN	CARTRIDGE LENGTH	CARTRIDGE LENGTH	nos. CARTRIDGES	DN inlet/outlet	DN drainage	DN safety	DN bleed
	mm	mm	mm	m3/h	"	mm		mm	mm	mm	mm
FCV3-0500-40	500	2410	1150	81	40	1016	29	125	50	50	32
FCV3-0500-50	500	2665	1405	102	50	1270	29	125	50	50	32
FCV3-0800-40	800	2786	1150	235	40	1016	84	200	50	80	40
FCV3-0800-50	800	3140	1405	294	50	1270	84	250	50	80	40
FCV3-1000-40	1000	2985	1160	400	40	1016	143	250	50	100	50
FCV3-1000-50	1000	3420	1415	501	50	1270	143	300	50	100	50
FCV3-1200-40	1200	3265	1160	568	40	1016	203	300	65	125	50
FCV3-1200-50	1200	3880	1415	711	50	1270	203	400	65	125	50
FCV3-1400-40	1400	3705	1160	832	40	1016	297	400	65	150	65
FCV3-1400-50	1400	3965	1420	1040	50	1270	297	400	65	150	65
FCV3-1600-40	1600	3920	1160	1114	40	1016	398	500	80	150	80
FCV3-1600-50	1600	4160	1415	1393	50	1270	398	500	80	200	80
FCV3-1800-40	1800	4040	1160	1378	40	1016	492	500	80	200	100
FCV3-1800-50	1800	4290	1415	1722	50	1270	492	500	80	200	100



# CARTRIDGE FILTERS





# TREATMENT PLANTS

We are known for designing treatment plants with the up-most quality and optimised for every situation. Our technical department can design and adapt the treatment plant to the discharge requirements and the particular conditions of each installation.

We have a wide variety of standard models: biofilters, total oxidation, SBR, denitrification, etc.

Our treatment plants can be buried with gravel, without the need to use concrete, with the cost savings that this entails.

The pumps and other equipment are always from brands of recognised prestige, in order to guarantee their durability.

We design and manufacture many other equipment to complement sewage treatment plants in water treatment:

## ■ WATER TREATMENT



## ■ LAMELLA CLARIFIER



## ■ HYDROCARBON SEPARATORS



## ■ PUMPING STATIONS



## ■ CONICAL CLARIFIERS



## ■ GREASE SEPARATORS



## ■ DAF AND CAF FLOTATION



## SBR WITH AIR DIFFUSERS (Sequential Batch Reactor)

SBR that allow biological reaction and decantation in the same tank in a sequence of steps, avoiding problems due to recirculation in standard oxidation systems. Sequences of reaction/ decantation can be programmed within the same day to adjust performance at different flow requirements. It can be equipped with removable diffusers.

### APPLICATIONS

Recommended for irregular flows such as restaurants, campings, communities, hotels, or domestic use.

### STANDARD EQUIPMENT

- Fine bubble diffusers
- Blower
- Empty pump with floating decanter
- Electric panel
- Manholes in GRP with folding lid
- 200 l/person-day, 60 g BOD5/person-day
- Effluent according 91/271/CEE
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different lengths and diameters
- SBR with buffer tank integrated
- Custom design, according customer needs (flow, pollution, parameter limits,...)
- Sensors (oxygen, ...)
- Above ground, vertical tank, ...
- Resin acc. to pH ranges
- Other Standards: ASME, ...



## SBR Diffusers

EQUIVALENT INHABITANTS	SBR-Diffusers					FIXED DIFFUSERS		REMOVABLE DIFFUSERS	
	Ø	LENGTH	VOLUME	INLET	OUTLET	CODE	Ø MANHOLE	CODE	Ø MANHOLE
	mm	mm	m <sup>3</sup>	mm	mm		mm		mm
5	1720	H 1720	1,5	125	63	WSBR-D-005	1 x 1100	WSBR-DE-005	1 x 1100
10	1600	2100	3	160	50	WSBR-D-010	1 x 800	WSBR-DE-010	1 x 800
15	1600	2950	4,5	160	50	WSBR-D-015	1 x 800	WSBR-DE-015	1 x 800
20	2000	2550	6	160	50	WSBR-D-020	1 x 1100	WSBR-DE-020	1 x 1100
25	2000	3100	7,5	160	80	WSBR-D-025	1 x 1100	WSBR-DE-025	1 x 1100
30	2000	3600	9	160	80	WSBR-D-030	1 x 1100	WSBR-DE-030	1 x 1100
40	2000	4700	12	200	80	WSBR-D-040	1 x 1100	WSBR-DE-040	1 x 1100
50	2500	3800	15	200	80	WSBR-D-050	1 x 1100	WSBR-DE-050	1 x 1100
60	2500	4350	18	200	80	WSBR-D-060	1 x 1100	WSBR-DE-060	1 x 1100
75	2500	5500	22,5	200	80	WSBR-D-075	1 x 1100	WSBR-DE-075	1 x 1100
100	2500	7150	30	200	80	WSBR-D-100	1 x 1100	WSBR-DE-100	2 x 1100
125	2500	8750	37,5	200	80	WSBR-D-125	1 x 1100	WSBR-DE-125	2 x 1100
150	3000	7150	45	200	80	WSBR-D-150	1 x 1100	WSBR-DE-150	2 x 1100
175	3000	8300	52,5	200	80	WSBR-D-175	1 x 1100	WSBR-DE-175	2 x 1100
200	3000	9400	60	200	80	WSBR-D-200	1 x 1100	WSBR-DE-200	2 x 1100
250	3000	11700	75	250	80	WSBR-D-250	1 x 1100	WSBR-DE-250	3 x 1100
300	3000	13900	86	250	80	WSBR-D-300	1 x 1100	WSBR-DE-300	3 x 1100
350	3000	16100	97	250	80	WSBR-D-350	1 x 1100	WSBR-DE-350	3 x 1100
400	4000	10950	118	250	80	WSBR-D-400	1 x 1100	WSBR-DE-400	3 x 1100
500	4000	13500	142	250	80	WSBR-D-500	1 x 1100	WSBR-DE-500	3 x 1100
600	4000	16100	168	250	80	WSBR-D-600	1 x 1100	WSBR-DE-600	3 x 1100



## SBR WITH EJECTORS (Sequential Batch Reactor)



SBR that allow biological reaction and decantation in the same tank in a sequence of steps, avoiding problems due to recirculation in standard oxidation systems. Sequences of reaction/ decantation can be programmed within the same day to adjust performance at different flow requirements. Highly recommended (instead of SBR with air diffusers) when not surface blower available.

### APPLICATIONS

Recommended for irregular flows such as restaurants, campings, communities, hotels, or domestic use.

### STANDARD EQUIPMENT

- Ejector aerators
- Empty pump with floating decanter
- Electric panel
- Manholes in GRP with folding lid
- 200 l/person-day, 60 g BOD5/person-day
- Effluent according 91/271/CEE
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different lengths and diameters
- SBR with buffer tank integrated
- Custom design, according customer needs (flow, pollution, parameter limits,...)
- Sensors (oxygen, ...)
- Above ground, vertical tank, ...
- Resin acc. to pH ranges
- Other Standards: ASME, ...

CODE	EQUIVALENT INHABITANTS	Ø	LENGTH	VOLUME	INLET	OUTLET	Ø MANHOLE
		mm	mm	m <sup>3</sup>	mm	mm	mm
WSBR-E-005	5	1720	H 1720	1,5	125	63	1 x 1100
WSBR-E-010	10	1600	2100	3	160	50	1 x 800
WSBR-E-015	15	1600	2950	4,5	160	50	1 x 800
WSBR-E-020	20	2000	2550	6	160	50	1 x 1100
WSBR-E-025	25	2000	3100	7,5	160	80	1 x 1100
WSBR-E-030	30	2000	3600	9	160	80	1 x 1100
WSBR-E-040	40	2000	4700	12	200	80	1 x 1100
WSBR-E-050	50	2500	3800	15	200	80	1 x 1100
WSBR-E-060	60	2500	4350	18	200	80	1 x 1100
WSBR-E-075	75	2500	5500	22,5	200	80	1 x 1100
WSBR-E-100	100	2500	7150	30	200	80	2 x 1100
WSBR-E-125	125	2500	8750	37,5	200	80	2 x 1100
WSBR-E-150	150	3000	7150	45	200	80	2 x 1100
WSBR-E-175	175	3000	8300	52,5	200	80	2 x 1100
WSBR-E-200	200	3000	9400	60	200	80	2 x 1100
WSBR-E-250	250	3000	11700	75	250	80	2 x 1100
WSBR-E-300	300	3000	13900	86	250	80	2 x 1100
WSBR-E-350	350	3000	16100	97	250	80	2 x 1100
WSBR-E-400	400	4000	10950	118	250	80	2 x 1100
WSBR-E-500	500	4000	13500	142	250	80	2 x 1100
WSBR-E-600	600	4000	16100	168	250	80	3 x 1100



## SBR WITH DENITRIFICATION (Sequential Batch Reactor)

### APPLICATIONS

Recommended for irregular flows where elimination of Nitrogen is required, such as restaurants, campings, communities, hotels, or domestic use.

SBR that allows aerobic and anoxic phase alternatively for elimination of Nitrogen. Include stirrer to allow mixing in anoxic phase, and inlet buffer compartment to minimize flow variations. It can be equipped with removable diffusers.

### STANDARD EQUIPMENT

- Screen basin
- Buffer tank
- Fine bubble diffusers
- Blower
- Empty pump with floating decanter
- Electric panel
- Manholes in GRP with folding lid
- Influent: 200 l/person-day, 60 g BOD5/person-day, 60 mg NTK/l
- Effluent according 91/271/CEE
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different lengths and diameters
- Custom design, according customer needs (flow, pollution, parameter limits,...)
- Removable diffusers
- Sensors (pH, redox, oxygen...)
- Above ground, vertical tank, ...
- Resin acc. to pH ranges
- Other Standards: ASME, ...

CODE	EQUIVALENT INHABITANTS	Ø	LENGTH	BUFFER TANK VOLUME	SBR VOLUME	INLET	OUTLET	Ø MANHOLE
		mm	mm	m <sup>3</sup>	m <sup>3</sup>	mm	mm	mm
WSBR-DES-D-010	10	1600	4100	1,8	5,0	160	50	2 x 800 - 1 x 1100
WSBR-DES-D-015	15	1600	5100	1,8	6,7	160	50	2 x 800 - 1 x 1100
WSBR-DES-D-025	25	2000	5300	2,9	11,2	160	80	2 x 800 - 1 x 1100
WSBR-DES-D-030	30	2000	6300	3,1	13,8	160	80	2 x 800 - 1 x 1100
WSBR-DES-D-040	40	2500	5400	4,6	17,8	200	80	2 x 800 - 1 x 1100
WSBR-DES-D-050	50	2500	6500	5,1	22,4	200	80	2 x 800 - 1 x 1100
WSBR-DES-D-075	75	2500	9500	7,8	33,4	200	80	2 x 800 - 1 x 1100
WSBR-DES-D-100	100	2500	12400	10,0	44,4	200	80	2 x 800 - 1 x 1100
WSBR-DES-D-150	150	3000	12900	15,5	68,2	200	80	2 x 800 - 1 x 1100
WSBR-DES-D-200	200	3000	16000	20,0	84,3	200	80	2 x 800 - 1 x 1100
WSBR-DES-D-250	250	4000	11400	25,6	107,0	250	80	2 x 800 - 1 x 1100
WSBR-DES-D-500	500	4000	21700	50,0	195,5	250	80	2 x 800 - 1 x 1100

# TOTAL OXIDATION with settling tank



Aerobic biological depuration system that allow reaction and decantation in separate compartments. It works by gravity. Can be supplied with a removable aerating system. This system reduces maintenance costs.

### APPLICATIONS

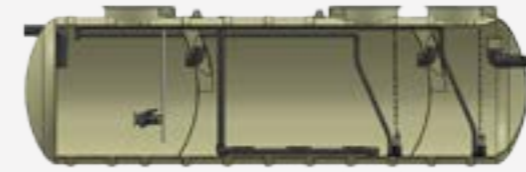
Recommended for wastewater (domestic type) such as restaurants, campings, communities, hotels, or domestic use.

### STANDARD EQUIPMENT

- Aerobic and settling tanks
- Fine bubble diffusers
- Blower
- Recirculation pump
- Electric panel
- Manholes in GRP with folding lid
- Influent: 200 l/person-day, 60 g BOD5/person-day
- Effluent according 91/271/CEE
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different lengths and diameters
- Custom design, according customer needs (flow, pollution, parameter limits,...)
- Sensors (oxygen, ...)
- Above ground, vertical tank, ...
- Resin acc. to pH ranges
- Other Standards: ASME, ...



# TOTAL OXIDATION with Denitrification and settling tank

### APPLICATIONS

Recommended for wastewater (domestic type) such as restaurants, campings, communities, and others where Nitrogen elimination is requested.

Total Oxidation sewage treatment plant with an additional separated anoxic compartment, for nitrogen removal.

### STANDARD EQUIPMENT

- Anoxic, aerobic and settling tanks
- Fine bubble diffusers
- Blower
- 2 Recirculation pumps
- Electric panel
- Manholes in GRP with folding lid
- Influent: 200 l/person-day, 60 g BOD5/person-day, 60 mg NTK/l
- Effluent according 91/271/CEE
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different lengths and diameters
- Custom design, according customer needs (flow, pollution, parameter limits,...)
- Sensors (oxygen, pH, redox, ...)
- Above ground, vertical tank...
- Resin acc. to pH ranges
- Other Standards: ASME...

TOTAL OXIDATION (EXTENDED AERATION WITH CLARIFIER)						FIXED DIFFUSERS		REMOVABLE DIFFUSERS	
EQUIVALENT INHABITANTS	Ø	LENGTH	AERATION TANK VOLUME	SETTLING TANK VOLUME	Ø INLET-OUTLET	CODE	Ø MANHOLE	CODE	Ø MANHOLE
	mm	mm	m <sup>3</sup>	m <sup>3</sup>	mm		mm		mm
5	1000	2010	0,9	0,4	110	WOX-D-005	2 x 560	WOX-DE-005	2 x 560
10	1600	2520	2,7	1,2	160	WOX-D-010	2 x 560	WOX-DE-010	2 x 560
15	1600	2900	3,4	1,2	160	WOX-D-015	2 x 560	WOX-DE-015	2 x 560
20	1600	3500	4,3	1,4	160	WOX-D-020	2 x 560	WOX-DE-020	2 x 560
25	1600	4300	5,5	1,6	160	WOX-D-025	2 x 560	WOX-DE-025	2 x 560
30	2000	3680	6,4	3,0	160	WOX-D-030	2 x 560	WOX-DE-030	2 x 800
40	2000	4350	8,3	3,0	200	WOX-D-040	2 x 560	WOX-DE-040	2 x 800
50	2000	5200	10,5	3,3	200	WOX-D-050	2 x 800	WOX-DE-050	2 x 800
65	2000	6400	13,3	3,9	200	WOX-D-065	2 x 800	WOX-DE-065	1 x 800 1 x 1100
80	2250	6100	15,9	4,8	200	WOX-D-800	2 x 800	WOX-DE-080	2 x 1100
100	2500	6200	19,7	6,4	200	WOX-D-100	2 x 800	WOX-DE-100	2 x 1100
125	2500	7546	24,7	7,6	200	WOX-D-125	2 x 1100	WOX-DE-125	2 x 1100
150	2500	8950	29,5	9,2	200	WOX-D-150	2 x 1100	WOX-DE-150	2 x 1100
175	2500	10400	34,3	11,0	200	WOX-D-175	2 x 1100	WOX-DE-175	2 x 1100
200	2500	11500	38,0	12,4	200	WOX-D-200	2 x 1100	WOX-DE-200	2 x 1100
250	3000	10100	48,1	16,8	250	WOX-D-250	2 x 1100	WOX-DE-250	2 x 1100
300	3000	12100	56,5	20,8	250	WOX-D-300	2 x 1100	WOX-DE-300	2 x 1100
350	3000	13800	66,2	23,5	250	WOX-D-350	2 x 1100	WOX-DE-350	2 x 1100
400	3000	15700	74,9	27,5	250	WOX-D-400	2 x 1100	WOX-DE-400	2 x 1100

CODE	EQUIVALENT INHABITANTS	Ø	LENGTH	ANOXIC VOLUME	AEROBIC VOLUME	SETTLING VOLUME	INLET OUTLET	Ø MANHOLE
		mm	mm	m <sup>3</sup>	m <sup>3</sup>	m <sup>3</sup>		mm
WOX-DES-D-005	5	1000	3360	0,6	1,2	0,4	110	3 x 560
WOX-DES-D-010	10	1400	3650	1,3	2,5	0,8	160	3 x 560
WOX-DES-D-015	15	1600	4000	1,8	3,5	1,3	160	3 x 560
WOX-DES-D-020	20	1600	5000	2,3	4,6	1,4	160	3 x 560
WOX-DES-D-025	25	1600	6100	2,9	5,8	1,6	160	3 x 560
WOX-DES-D-030	30	1800	5900	3,5	7,0	2,1	160	3 x 560
WOX-DES-D-040	40	2000	6350	4,7	9,3	3,0	200	3 x 800
WOX-DES-D-050	50	2000	7700	5,9	11,6	3,3	200	3 x 800
WOX-DES-D-075	75	2250	8950	8,8	17,4	4,8	200	3 x 800
WOX-DES-D-100	100	2500	9550	11,7	23,2	6,4	200	3 x 1100
WOX-DES-D-125	125	2500	11700	14,6	29,0	7,6	200	3 x 1100
WOX-DES-D-150	150	2500	13950	17,6	34,8	9,2	200	3 x 1100
WOX-DES-D-200	200	3000	12800	23,4	46,4	13,4	200	3 x 1100
WOX-DES-D-250	250	3000	15950	29,3	58,0	16,8	250	3 x 1100
WOX-DES-D-300	300	3400	15800	35,1	69,6	24,2	250	3 x 1100
WOX-DES-D-350	350	3400	18400	41,0	81,2	28,4	250	3 x 1100
WOX-DES-D-400	400	4000	15750	46,9	92,8	36,7	250	3 x 1100

# WATER REUSE WITH MBR SYSTEM

## (membrane bioreactor)

The best system to regenerate waste water. Using ultrafiltration membranes good performance is ensured. Reuse of water at the end of the process is guaranteed.

For Grey water, MBR Systems are one of the best options. In hotels, houses, and sport installations, where room's height can be limited, external membranes is highly recommended, to optimize the height needed.

Highly recommended when is necessary to optimize height of installation. For grey water, external membranes can be the

best solution. MBR Systems are one of the best options for hotels, houses, and sport installations, where room's height can be limited.

Plants can be delivered in containerized configuration. Ready to use, "keys in hand".

For waste water, using submerged membranes, you save energy and get the same results.

Perfect option for second use of water in gardens or field irrigation fruit trees, street washing, regenerated water in industry...



## Grey water treatment

### STANDARD EQUIPMENT

- Above ground horizontal aerobic reactor
- External cross-flow ultrafiltration membranes.
- Fine bubble diffusers
- Skid with membranes, blowers, pumps, sensors, valves, electrical panel...
- Chlorination
- Calculated to receive and treat the whole day production
- Standard influent: 190 mg BOD5/l, 190 mg SS/l
- Effluent according RD 1620/2007
- Tank designed acc. UNE 13121
- Sizes can change depending on needs or material supply

### UNDER REQUEST

- Different lengths and diameters
- Custom design, according customer needs (flow, pollution, parameter limits,...)
- Submerged membranes
- Ultraviolet disinfection
- Buffer tank to equalizing flows/pollution
- Removable diffusers
- Under ground, vertical tanc, ...
- Resin acc. to pH ranges

CODE	FLOW	Ø	REACTOR LENGTH	SKID BASE
	m <sup>3</sup> /d	mm	mm	mm
WMBR-AG-05	5	1600	2150	on-demand
WMBR-AG-10	10	1800	3200	on-demand
WMBR-AG-20	20	2250	4100	on-demand
WMBR-AG-30	30	2250	5900	on-demand
WMBR-AG-50	50	2500	7750	on-demand



## Containerized MBR for waste water

### STANDARD EQUIPMENT

- All inside a container
- Submerged ultrafiltration membranes.
- Fine bubble diffusers
- Rotor screen
- Hidraulic and electric connexions, membranes, blowers, pumps, sensors, valves, electrical panel...
- Clorhination
- Standard influent: 150 l/person-day, 400 mg BOD5/l, 500 mg SS/l
- Effluent according RD 1620/2007
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different configurations: lengths and diameters
- Custom design, according customer needs (flow, pollution, parameter limits,...)
- Other type of membranes
- Ultraviolet disinfection
- Buffer tank to equalizing flows/pollution
- Removable diffusers
- Under ground, vertical tank...
- Resin acc. to pH ranges

CODE	EQUIVALENT INHABITANTS	FLOW	SIZE	LENGTH	WIDTH	HEIGHT
		m <sup>3</sup> /day		mm	mm	mm
WMBR-C-200	200	30	OPEN TOP 40'	12192	2438	2591



## TRICKLING FILTER

### Settling, digestion, biofilter

Three compartments. Initial solids decantation and anaerobic digestion, followed by a second digestion. Finally, the solids-free water enters the third compartment, the biological filter consisting of a material with a very high specific surface area, where the aerobic microorganisms adhere. The water flows through the filter by gravity, while dissolved organic matter is degraded by organisms presents on the surface of the random packing, in the third compartment.



#### APPLICATIONS

Treatment of domestic waste water.

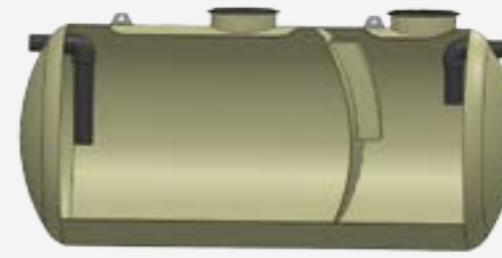
#### STANDARD EQUIPMENT

- Settling, digestion and trickling tanks
- Trickling filter
- Manholes in PE (polyethylene)
- Tank designed acc. UNE 13121

#### UNDER REQUEST

- Different lengths and diameters
- Above ground, vertical tanc, ...
- Other Standards: ASME, ...

CODE	EQUIVALENT INHABITANTS	Ø	LENGTH	VOLUME	INLET OUTLET	Ø MANHOLE
		mm	mm	m <sup>3</sup>	mm	mm
WDDB-004	4	1000	2250	1400	110	3 x 315
WDDB-007	7	1000	3250	2000	125	3 x 315
WDDB-010	10	1400	2500	3000	160	3 x 315
WDDB-015	15	1600	2900	4500	160	3 x 315
WDDB-020	20	1600	3700	6000	160	3 x 560
WDDB-030	30	2000	3550	9000	160	3 x 560
WDDB-040	40	2000	4600	12000	160	3 x 560
WDDB-050	50	2000	5650	15000	160	3 x 560
WDDB-060	60	2000	6700	18000	200	3 x 560
WDDB-080	80	2500	5800	24000	200	3 x 560
WDDB-100	100	2500	7100	30000	200	3 x 560
WDDB-125	125	2500	8850	38000	200	3 x 560
WDDB-150	150	2500	10350	45000	200	3 x 560
WDDB-200	200	3000	9400	60000	250	3 x 560
WDDB-250	250	3000	11700	75000	250	3 x 560



## SEPTIC SYSTEM

#### APPLICATIONS

Basic sewage treatment for little communities where residual discharge does not need exigent requirements. Also valid as initial treatment for more complex systems.

Tank for anaerobic biological treatment with two chambers. In a first step heavy suspended solids are decanted and digested. In a second step light particles are settled and digested too.

#### STANDARD EQUIPMENT

- Settling and digestion tanks
- Manholes in PE (polyethylene)
- Tank designed acc. UNE 13121

#### UNDER REQUEST

- Different lengths and diameters
- Above ground, vertical tanc, ...
- Other Standards: ASME, ...

CODE	EQUIVALENT INHABITANTS	Ø	LENGTH	VOLUME	INLET OUTLET	Ø MANHOLE
		mm	mm	m <sup>3</sup>	mm	mm
WDD-004	4	1000	2000	1100	110	2 x 315
WDD-007	7	1000	2600	1500	125	2 x 315
WDD-010	10	1200	2300	2000	125	2 x 315
WDD-015	15	1600	2200	3000	160	2 x 560
WDD-020	20	1600	2600	4000	160	2 x 560
WDD-030	30	1600	3750	6000	160	2 x 560
WDD-040	40	1600	4900	8000	160	2 x 560
WDD-050	50	2000	3900	10000	160	2 x 560
WDD-060	60	2000	4600	12000	160	2 x 560
WDD-080	80	2000	6000	16000	200	2 x 560
WDD-100	100	2500	4900	20000	200	2 x 560
WDD-125	125	2500	6000	25000	200	2 x 560
WDD-150	150	2500	7100	30000	200	2 x 560
WDD-200	200	2500	9300	40000	200	2 x 560



Trickling filter



Septic system



SBR with ejector



SBR Diffusers



Total oxidation



Total Oxidation with Denitrification



SBR with denitrification



Containerized MBR for wastewater



## SCREENING BASIN

Basic equipment, to be installed as initial step in any water treatment to avoid presence of undesirable big particles / bulky objects into the process.

### APPLICATIONS

As previous step in any sewage treatment plant

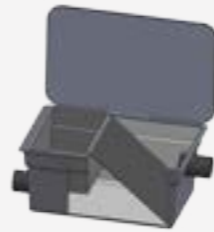
### STANDARD EQUIPMENT

- Screen in GRP (Glass reinforced plastic)
- Inlet/outlet in PVC
- Folding lid

CODE	BASE	HEIGHT	FINE SCREE	INLET OUTLET
	mm	mm	mm	mm
WARQ-D-05	1341 x 881	580	15	110 - 200
WARQ-D-1	1670 x 1091	750	15	200 - 250

### UNDER REQUEST

- Other dimensions, fine screens, screen materials, ...
- Inlet/outlet with GRP flanges
- Above ground



Screening basin

## SAMPLE COLLECTOR BASIN

Basic equipment, to be installed for sampling at the beginning and end of the process.

### STANDARD EQUIPMENT

- Inlet/outlet in PVC
- Manhole in PE (polyethylene)

CODE	Ø	HEIGHT	INLET OUTLET
	mm	mm	mm
WARQ-M	580	600	up to 250

### UNDER REQUEST

- Other dimensions
- Inlet/outlet with GRP flanges
- Above ground



Sample collector basin

## GREASE SEPARATOR

Through a suitable retention time the fats and oils are separated from the water by density difference.

This equipment is recommended as previous treatment for kitchen wastewater in communities.

CODE	MEALS/DAY	FLOW	VOLUME	Ø	HEIGHT	INLET OUTLET	Ø MANHO
		l/s	m <sup>3</sup>	mm	mm	mm	mm
WSG-00	<70	2	0,5	914	1114	125	560
WSG-01	70-250	4	1	1250	1235	125	560
WSG-02	250-500	8	2	1600	1650	160	560
WSG-03	500-1200	12	3	1790	1800	160	560

### STANDARD EQUIPMENT

- Inlet/outlet in PVC
- Manhole in PE (polyethylene)
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different lengths and diameters
- Above ground, horizontal tank, ...
- Inlet/outlet GRP flanged
- Resin acc. to pH ranges
- Other Standards: ASME, ...



Grease separator



## PUMPING STATIONS

At Trepovi, we design and manufacture pumping stations, adjusted to any customer requirement, covering a wide range of dimensions, capacities, openings or accessories. By our own design, or according your drawings and specifications.

### AVAILABLE ACCESSORIES:

- Pumps according your needs
- Removable solids collection basket
- Manholes of any size, with folding lid and safety grid
- Level sensors
- Valves
- Electrical panel
- External valve casing or valves incorporated into the pumping well





## CLARIFIERS

### Settling/flotation

Trepovi design and manufacture all types of settling tanks and clarifiers, for any type of waters, with gravity sedimentation or with flotation. Designed according UNE 13121.

- Conical settling tanks
- Conical thickeners
- Conical grease separators: CAF (Cavitation Air Flotation)

#### Equipments manufactured can include:

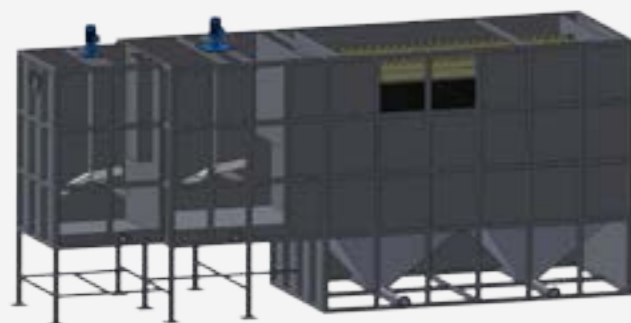
- Several con angles: 45°, 60°...
- Carbon steel or GRP legs.
- Skimmer, grease scraper
- Sludge scrapper
- Perimetrical Thompson channels, adjustables
- Stairs and walkways, in Steel, Galvanized Steel, Stainless Steel, Polyester...
- Structural, Wind and Seismic calculations.



## LAMELLA CLARIFIERS

We design and build all types of lamella clarifiers, for all types of water. Always adapted to the flow, space or transport requirements, based on our experience, finite element calculation programs and drawings in 2D and 3D.

- Lamella clarifiers for drinking water and residual water.
- Lamellas in PP, PVC or GRP
- Specific resin according water chemical needs
- Adjustable Thompson channels
- Stairs and walkways fabricated in steel, galvanized steel, stainless, polyester, etc.
- Structural, wind and earthquake seismic calculations
- Flow simulations



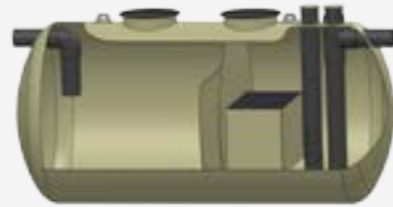


## HYDROCARBON SEPARATOR (Class I)

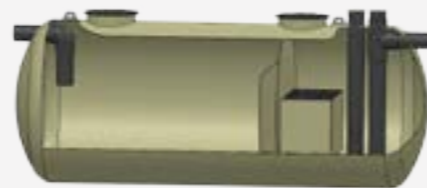
Two chambers equipment that separates sand and sludge in a first step. In the second chamber, through a coalescence filter, oils and greases aggregates which allow separation from water. This equipment includes a safety system to avoid any discharge of oils in case of exceeded capacity.

### APPLICATIONS

Petrol Stations, parkings, auto repair...



CODE	FLOW	Ø	LENGTH	VOLUME	INLET OUTLET	Ø MANHOLE
	l/s	mm	mm	litres	mm	mm
WSH-001	1,5	1000	1760	1000	110	2 x 315
WSH-003	3	1000	2300	1300	110	2 x 315
WSH-006	6	1600	2400	3750	125	2 x 560
WSH-008	8	1600	2770	4500	160	2 x 560
WSH-010	10	1600	2820	5000	160	2 x 560
WSH-015	15	2000	3020	8000	200	2 x 560
WSH-020	20	2000	3280	9000	200	2 x 560
WSH-030	30	2000	4330	12000	250	2 x 560
WSH-040	40	2500	4600	19000	315	2 x 560
WSH-050	50	2500	5480	23000	315	2 x 560
WSH-070	70	2500	6630	29000	315	2 x 560
WSH-075	75	2500	6730	29000	315	2 x 560
WSH-080	80	2500	6865	30000	315	2 x 560
WSH-100	100	2500	7990	35000	315	2 x 560



## CAR WASHING HYDROCARBON SEPARATOR (Class I)

Specially designed for the car washing conditions.

CODE	FLOW	Ø	LENGTH	VOLUME	INLET OUTLET	Ø MANHOLE
	l/s	mm	mm	litres	mm	mm
WSH-RC-003	3	1600	7500	4360	110	2 x 560
WSH-RC-006	6	1600	7500	4360	125	2 x 560
WSH-RC-016	16	2000	10000	3770	200	2 x 560
WSH-RC-020	20	2000	11000	4120	200	2 x 560
WSH-RC-030	30	2000	14000	5170	250	2 x 560
WSH-RC-040	40	2500	21500	5160	315	2 x 560
WSH-RC-060	60	2500	29500	6760	315	2 x 560

### STANDARD EQUIPMENT

- Settling compartment
- Coalescer element
- Inlet/outlet in PVC
- Manholes in PE (polyethylene)
- Designed acc. UNE 13121, UNE 858

### UNDER REQUEST

- Different lengths and diameters
- By-pass
- Calculated by other parameters, according UNE 858
- Above ground
- Inlet/outlet GRP flanged



# TANKS

We work with a wide variety of resins, in order to adapt the deposits to the necessary quality and durability.

**Wide range of formats, flat base, steel legs, polyester legs, skirt, curved and conical bottoms, etc., always looking for the best option.**

Our technical department calculates the anchors according to the required wind and earthquake conditions.

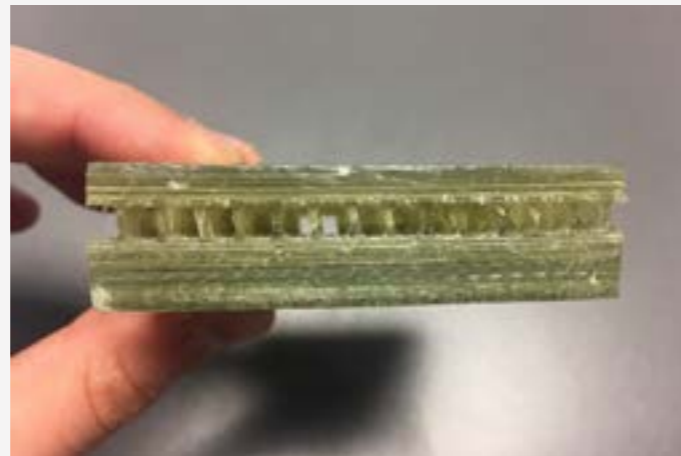
Wide range of accessories for your tanks: stairs, walkways, sensors, levels, alarms, electrical resistors, etc.

When space is limited, we can manufacture custom rectangular tanks to size. We offer the option of an external polyester coating to prevent corrosion.

## DOUBLE WALL TANKS

We are specialists in designing and manufacturing tanks for chemical products. We have our own engineering department to streamline and respond to the needs of our customers, designing each tank to measure. At Trepovi we design, calculate, manufacture and transport your equipment.

Our double-walled tanks have a chamber that is only 5 mm thick, minimising the space required. This chamber is under negative pressure. In the event of a leak, a pre-installed vacuum gauge detects it and can send an alarm signal to a SCADA-type system or electrical panel.



## ISOLATED TANKS

Insulation system without thermal bridges, totally continuous. We calculate the thickness based on the product need.

Outer protective cover. The tank is no different from one without insulation.



## RECTANGULAR TANKS





# CHEMICAL PRODUCT TANKS

Trepovi offers a wide range of diameters, volumes and accessories. GRP storage tanks from Trepovi have excellent properties, ideal for storing fluids at industrial plants. Due to the application of GRP material, storage tanks are chemical and corrosion resistant. Can be designed to be used in highly aggressive environments, operating at large range of temperatures.

The chemical characteristics of polyester make it well suited for storing large amount of chemicals such as acids, bases, corrosive water, hydrocarbons and diesel.



- Adequate resin for different range conditions (pH, temperature...)
- Double wall tanks
- Isolated tanks
- Rectangular tanks
- All type of accessories: levels, sensors, alarms, walkways, ladders, leak detectors, electric heaters...
- Calculations according the most important standards: UNE 13121, ASME X, APQ...
- Seismic and wind calculations

## DOUBLE WALL TANKS

Specific manufacture adjusted to any chemical product. Double wall tanks avoid the need of any secondary containment. Trepovi can offer different solutions, depending of customer / applications needs / requirements.





## ISOLATED TANKS

Tanks supplied with expanded polyurethane foam, totally covered with GRP external layer. This is the best solution when there is a need to maintain temperature of materials under storage. Isolation thickness is adjusted to ensure the best performance. Externally, there is no difference in front of a standard tank. We also supply and calculate the electric heater, or cable heating.







## RECTANGULAR TANKS

Rectangular tanks are recommended to optimize space. Trepovi can manufacture any size. Structure based on carbon steel and GRP.

For corrosive ambients or heavy ambient conditions (rainy, gases...), external structure of tanks can also be GRP covered to ensure a long life.

For all tanks:

- Chemical composition of resins used is adjusted to ensure appropriate performance to requested working conditions (pH, temperature...)
- Any additional parts in configuration such as compartment, flanges, manholes, view flanges, supports are possible.
- A wide range of accessories: sensor levels, chemical sensors, alarms, walkways, ladders, leak detectors, electric heaters.. can be added under request..
- Calculations according the most important standards: UNE 13121, ASME X, APQ...
- Seismic and wind calculations



# WATER TANKS

## UNDERGROUND TANKS

### STANDARD EQUIPMENT

- 2 Flanges DN 50, DIN 2501 FF, in GRP (Glass reinforced plastic)
- Vent in PVC 110
- Manhole in PE (polyethylene)
- Lifting lugs
- Chemical barrier: isophthalic resin.
- Mechanical reinforcement: orthophthalic resin.
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different lengths, heights and diameters
- Other resins for specific chemical resistance/temperature
- Additional flanges, manholes, ...
- Accesories: sensors (levels, temperature,...), alarms, electrical panel, ...
- Resin acc. to pH ranges
- Other Standards: ASME, ...
- Seismic and wind calculations



## HORIZONTAL TANK



CODE	VOLUME	Ø	LENGTH
	litres	mm	mm
DHET-003-1400	3000	1400	2300
DHET-004-1600	4000	1600	2400
DHET-004-1800	4000	1800	2000
DHET-005-2000	5000	2000	2100
DHET-006-2000	6000	2000	2350
DHET-008-2000	8000	2000	3000
DHET-010-2250	10000	2250	3100
DHET-010-2500	10000	2500	2650
DHET-012-2250	12000	2250	3600
DHET-012-2500	12000	2500	3050
DHET-015-2500	15000	2500	3650
DHET-020-2500	20000	2500	4650
DHET-025-2500	25000	2500	5700
DHET-030-2500	30000	2500	6700
DHET-040-2500	40000	2500	8750
DHET-050-2500	50000	2500	10800
DHET-050-3000	50000	3000	7600
DHET-060-3000	60000	3000	9000
DHET-060-3400	60000	3400	7350
DHET-070-3000	70000	3000	10400
DHET-070-3400	70000	3400	8450
DHET-080-3000	80000	3000	11800
DHET-080-3400	80000	3400	9550
DHET-100-4000	100000	4000	8700
DHET-150-4000	150000	4000	12700

## VERTICAL CLOSED TANK



CODE	VOLUME	Ø	HEIGHT
	litres	mm	mm
DVET-005-2000	5000	2000	1850
DVET-006-2000	6000	2000	2150
DVET-008-2000	8000	2000	2800
DVET-010-2250	10000	2250	2800
DVET-010-2500	10000	2500	2350
DVET-015-2250	15000	2250	4050
DVET-015-2500	15000	2500	3350
DVET-020-2250	20000	2250	5300
DVET-020-2500	20000	2500	4400
DVET-025-2500	25000	2500	5400
DVET-030-2500	30000	2500	6400
DVET-040-3000	40000	3000	5900
DVET-040-3400	40000	3400	4800
DVET-050-3000	50000	3000	7350
DVET-050-3400	50000	3400	5900
DVET-060-3400	60000	3400	7000
DVET-070-4000	70000	4000	5950
DVET-080-4000	80000	4000	6750

## VERTICAL CLOSED TANK (Mould)



CODE	VOLUME	Ø	HEIGHT
	litres	mm	mm
DVET-M-1	1000	1250	1235
DVET-M-1.5	1500	1430	1460
DVET-M-2	2000	1600	1650
DVET-M-3	3000	1790	1800



# ABOVE GROUND TANKS

## STANDARD EQUIPMENT

- 2 Flanges DN 50, DIN 2501 FF, in GRP (Glass reinforced plastic)
- Vent in PVC 110
- Manhole in PE (polyethylene)
- GRP legs in horizontal and vertical tanks
- Lifting lugs
- Anchors in vertical tanks
- Chemical barrier: isophthalic resin.
- Mechanical reinforcement: orthophthalic resin.
- Tank designed acc. UNE 13121
- Color defined by customer (RAL chart)
- Polyurethane external coating (UV resistant)

## UNDER REQUEST

- Different lengths, heights and diameters
- Other resins for specific chemical resistance/temperature
- Additional flanges, manholes, ...
- Accesories: sensors (levels, temperature,...), alarms, electrical panel, ...
- Resin acc. to pH ranges
- Other Standards: ASME, ...
- Seismic and wind calculations

## HORIZONTAL TANK



## VERTICAL CLOSED TANK



## VERTICAL OPEN TANK



## VERTICAL CLOSED TANK WITH LEGS



CODE	VOLUME	Ø	LENGTH
	litres	mm	mm
DHST-005-2000	5000	2000	2100
DHST-006-2000	6000	2000	2350
DHST-008-2000	8000	2000	3000
DHST-010-2250	10000	2250	3100
DHST-010-2500	10000	2500	2650
DHST-012-2250	12000	2250	3600
DHST-012-2500	12000	2500	3050
DHST-005-2500	15000	2500	3650
DHST-020-2500	20000	2500	4650
DHST-025-2500	25000	2500	5700
DHST-030-2500	30000	2500	6700
DHST-040-2500	40000	2500	8750
DHST-050-2500	50000	2500	10800
DHST-050-3000	50000	3000	7600
DHST-060-3000	60000	3000	9000
DHST-060-3400	60000	3400	7350
DHST-070-3000	70000	3000	10400
DHST-070-3400	70000	3400	8450
DHST-080-3000	80000	3000	11800
DHST-080-3400	80000	3400	9550
DHST-100-4000	100000	4000	8700
DHST-150-4000	150000	4000	12700

CODE	VOLUME	Ø	HEIGHT
	litres	mm	mm
DVST-004-1600	4000	1600	2200
DVST-004-1800	4000	1800	1800
DVST-005-2000	5000	2000	1850
DVST-006-2000	6000	2000	2150
DVST-008-2000	8000	2000	2800
DVST-010-2250	10000	2250	2800
DVST-010-2500	10000	2500	2350
DVST-012-2250	12000	2250	3300
DVST-012-2500	12000	2500	2750
DVST-015-2250	15000	2250	4050
DVST-015-2500	15000	2500	3350
DVST-020-2250	20000	2250	5300
DVST-020-2500	20000	2500	4400
DVST-025-2500	25000	2500	5400
DVST-030-2500	30000	2500	6400
DVST-040-3000	40000	3000	5900
DVST-040-3400	40000	3400	4800
DVST-050-3000	50000	3000	7350
DVST-050-3400	50000	3400	5900
DVST-060-3400	60000	3400	7000
DVST-070-4000	70000	4000	5950
DVST-080-4000	80000	4000	6750
DVST-090-4000	90000	4000	7550
DVST-100-4000	100000	4000	8350
DVST-150-4000	150000	4000	12350

CODE	VOLUME	Ø	HEIGHT
	litres	mm	mm
DVSO-004-1600	4000	1600	2100
DVSO-004-1800	4000	1800	1700
DVSO-005-2000	5000	2000	1700
DVSO-006-2000	6000	2000	2000
DVSO-008-2000	8000	2000	2650
DVSO-010-2250	10000	2250	2600
DVSO-010-2500	10000	2500	2150
DVSO-015-2250	15000	2250	3900
DVSO-015-2500	15000	2500	3015
DVSO-020-2250	20000	2250	5150
DVSO-020-2500	20000	2500	4200
DVSO-025-2500	25000	2500	5200
DVSO-030-2500	30000	2500	6250
DVSO-040-3000	40000	3000	5750
DVSO-040-3400	40000	3400	4500
DVSO-050-3400	50000	3400	5600
DVSO-050-4000	50000	4000	4100

CODE	VOLUME	Ø	HEIGHT
	litres	mm	mm
DVSP-005-2000	5000	2000	2450
DVSP-008-2000	8000	2000	3400
DVSP-010-2500	10000	2500	3000
DVSP-012-2500	12000	2500	3400
DVSP-015-2500	15000	2500	4020
DVSP-020-2500	20000	2500	5050
DVSP-025-2500	25000	2500	6060
DVSP-030-2500	30000	2500	7080
DVSP-040-3000	40000	3000	6550
DVSP-050-3000	50000	3000	7950



**ABOVE GROUND TANKS**





## RAIN WATER

### STANDARD EQUIPMENT

- Removable filter
- Inlet: PVC 110
- Outlet: DN 50 GRP flange, DIN 2501 FF
- Overflow: PVC 110
- Vent: PVC 110
- Manhole: GRP (folding lid)
- Chemical barrier: isophthalic resin.
- Mechanical reinforcement: ortophthalic resin.
- Lifting lugs
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different lengths, heights and diameters
- Above ground
- Additional flanges, manholes, ...
- Accesories: pumps, floating extraction unit, sensors, levels, alarms, ...
- Other Standards: ASME, ...

## Underground HORIZONTAL TANK



CODE	VOLUME litres	Ø mm	LENGTH mm
DHE-P-004-1800	4000	1800	2100
DHE-P-005-2000	5000	2000	2150
DHE-P-006-2000	6000	2000	2500
DHE-P-008-2000	8000	2000	3200
DHE-P-010-2000	10000	2000	3900
DHE-P-012-2000	12000	2000	4600
DHE-P-015-2500	15000	2500	3800
DHE-P-020-2500	20000	2500	4900
DHE-P-025-2500	25000	2500	6000
DHE-P-030-2500	30000	2500	7100
DHE-P-040-2500	40000	2500	9250
DHE-P-050-2500	50000	2500	11450



## FIRE PROTECTION WATER TANK

### STANDARD EQUIPMENT

- 2 Flanges: 1xDN 50, 1xDN 80 in GRP (Glass reinforced plastic), DIN 2501 FF
- Vent: PVC 110
- Manhole: PE (polyethylene)
- GRP legs in horizontal tanks
- Lifting lugs
- Anchors in vertical tanks
- Chemical barrier: isophthalic resin.
- Mechanical reinforcement: ortophthalic resin.
- Tank designed acc. UNE 13121

### UNDER REQUEST

- Different lengths, heights and diameters
- Other resins for any product and temperature
- Additional flanges, manholes, ...
- Accesories: sensors, levels, alarms, ...
- Integrated compartment for fire protection pump
- Other Standards: ASME, ...
- Seismic and wind calculations

## Above ground vertical closed

CODE	VOLUME litres	Ø mm	HEIGHT mm
DVS-CI-006-2000	6000	2000	2150
DVS-CI-012-2250	12000	2250	3300
DVS-CI-012-2500	12000	2500	2750
DVS-CI-025-2500	25000	2500	5400
DVS-CI-040-3000	40000	3000	5900
DVS-CI-040-3400	40000	3400	4800

## Underground horizontal

CODE	VOLUME litres	Ø mm	LENGTH mm
DHE-CI-006-2000	6000	2000	2350
DHE-CI-012-2250	12000	2250	3600
DHE-CI-012-2500	12000	2500	3050
DHE-CI-025-2500	25000	2500	5700
DHE-CI-040-2500	40000	2500	8750

## Above ground horizontal

CODE	VOLUME litres	Ø mm	LENGTH mm
DHS-CI-006-2000	6000	2000	2350
DHS-CI-012-2250	12000	2250	3600
DHS-CI-012-2500	12000	2500	3050
DHS-CI-025-2500	25000	2500	5700
DHS-CI-040-2500	40000	2500	8750



# CUSTOM MADE PROJECTS

As expert in polyester technology, Trepovi can design and manufacture any kind of equipment, according to customer requirements, with the most suitable resins and fibres for each purpose.

Besides the common water tanks, Trepovi is specialized in taylor made manufacture for specific needs. Industry, water treatment, energy plants, and others, need different types of tanks, all available at Trepovi.

**Our technical department will calculate the best solution for your needs.**



- Large Pre-Filters
- Tanks for trucks
- Suspended silos and tanks, for any material
- GRP Pipes and Fittings
- Heat accumulators







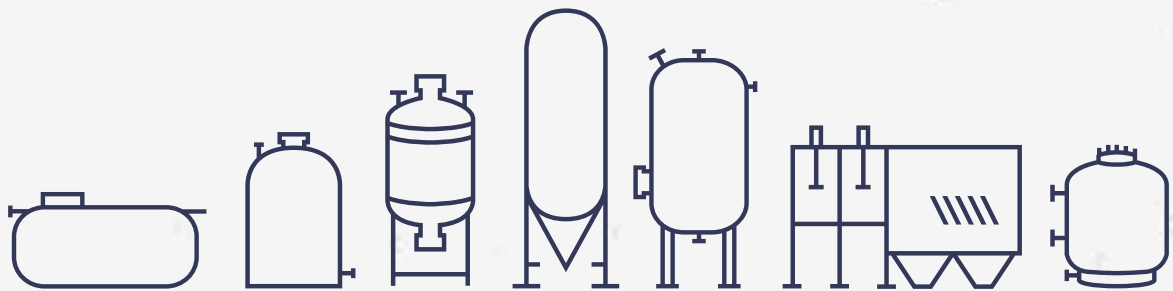
## GAS TREATMENTS

Trepovi manufacture Absorption/Scrubbers, desorption/stripping, biotrickling

We custom made different equipments to remove several substances from water or gas, such as:  
HCl, Cl<sub>2</sub>, SO<sub>2</sub>, CO<sub>2</sub>, NO<sub>x</sub>, NH<sub>3</sub>, H<sub>2</sub>S, VOC's, THM...

By our own design, or according your drawings and specifications





**TREPOVI**

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