TREPOVI

GRP SOLUTIONS
for engineering and
water treatment

TREPOVI

Company profile

TREPOVI is a company specialized in the manufacture of Glass Reinforced Polyester equipment for water treatment and other applications.

With more than 25 years of experience, our products have been recognised for their good performance and wide range of design options.

Our engineering department can design and adjust any of the equipment to suit your needs, for applications such as: water treatment, desalination, petrochemical and pharmaceutical industries, fire-extinguishing systems, feeding, sanitation...

The manufacturing plant, with 17000 m^2, is located north of the Barcelona industrial area, with good access to the International Port of Barcelona and airport.

The available machinery enables us to manufacture cylinders up to 12.5 meters in length in one piece by filament winding. Diameters available from 500 mm till 4000 mm, and volumes up to 300 m^3. In combination with other techniques such as Hand lay up and Spray up we can design any GRP equipment.

Properties of polyester reinforced with fiberglass (PRFV / GRP), make it excellent for many applications, involving liquids, solids and gases:

– Resistance to most chemicals (special resins for each application)
– Not affected by corrosion
– Low coefficient of thermal expansion
– Electrically non-conductive
– Lightweight
– No maintenance
– High durability

Our Quality and Management system in Trepovi is ISO9001 certified

Our engineering department has the commitment to provide the best possible work for any application:

– Calculations of tanks according to European standards (BS 4994 and UNE-13121), American (ASME X) or others
– Design and calculation based on finite element programs to optimize the material and durability:
  - Special buried tanks: high depths, heavy vehicles...
  - Suspended tanks
  - Supports, structures
  - Flow calculations for clarifiers
– Seismic and wind calculations for any country
– Design and manufacture of all type of water treatment equipment:
  - Compact plants
  - Domestic wastewater treatment plants
  - Pumping stations
  - Lamella clarifiers for waste or drinking water, with coagulation-flocculation
  - Grease separators, CAF
  - Hydrocarbon separators
– All kinds of tanks for several products and their accessories

TREPOVI

GRP SOLUTIONS for engineering and water treatment

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INDUSTRIAL FILTERS
VERTICAL

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

Available in 2 basic configurations: collector arms or nozzles plate.

Big manholes for easy maintenance.

Applications Pure water, desalination, process water, waste water, sea water, corrosive ambient, chemical industries…

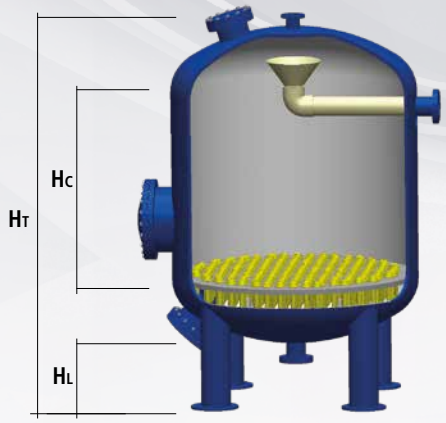
Standard equipment

- Design pressure: 2.5, 4, 6, 8, 10 bar
- Test pressure: 1.5 x Design pressure
- GRP (Glass reinforced plastic) flanges, EN 1092-1 FF
- Chemical barrier: isophtalic resin
- Mechanical reinforcement: ortophtalic resin
- Ambient temperature
- Tank designed according to EN 13121, CE 97/23
- 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
- Accessories: battery valves, electrical panel…
- Other plate differential pressures
- Resin according to pH/temperature ranges
- Different nozzle materials, acc. to pH/temperature ranges
- Other Standards: ASME…
- Seismic and wind calculations

INDUSTRIAL
Nozzle plate



INDUSTRIAL VERTICAL FILTER – Nozzle plate

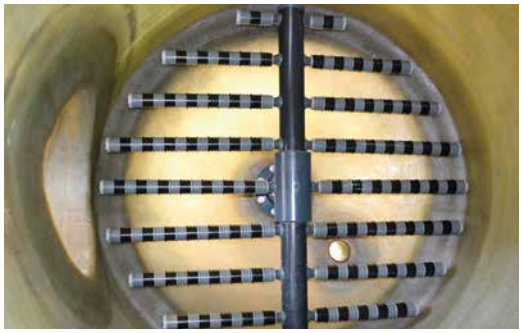
CODE	Ø	Height			Manholes			Flanges	
		Cylindrical H_C	Free H_L	Total H_T	Lateral	Bottom	Filling	Inlet Outlet	Security
	mm	mm	mm	mm	DN (mm)	DN (mm)	DN (mm)	DN (mm)	DN (mm)
FIVP-1000-1400	**1000**	1400	400	2460	400	400	250	80	50
FIVP-1000-2050		2050	400	3110	400	400	250	80	50
FIVP-1000-2350		2350	400	3410	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

Standard equipment

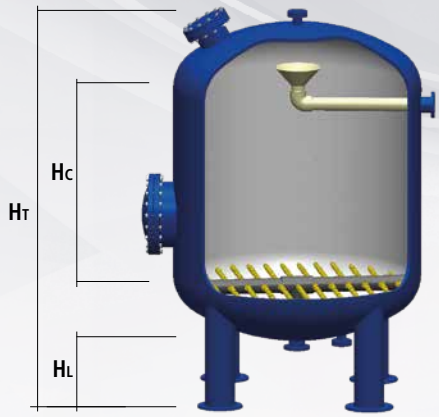
- Design pressure: 2.5, 4, 6, 8, 10 bar
- Test pressure: 1.5 x Design pressure
- GRP (Glass reinforced plastic) flanges, EN 1092-1 FF
- Chemical barrier: isophtalic resin
- Mechanical reinforcement: ortophtalic resin
- Ambient temperature
- Tank designed according to EN 13121, CE 97/23
- Stainless steel 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
- Accessories: battery valves, electrical panel…
- Resin according to pH/temperature ranges
- Different collector materials, according to pH/temperature ranges
- Other Standards: ASME…
- Seismic and wind calculations



INDUSTRIAL
Collector



INDUSTRIAL VERTICAL FILTER – Collector arms

		Height			Manhole		Flange		
CODE	Ø	Cylindrical H_C	Free H_L	Total H_T	Lateral	Filling	Inlet Outlet	Drainage	Security
	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
HORIZONTAL

Description

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

Designed according to EN 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.

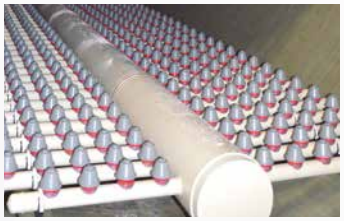
All delivered with big manholes (>DN 400) to allow easy maintenance.

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: isophtalic, vinylester, and others…
- Internal nozzles in materials such as PP, PA6GF30, PVDF and connected by thread, bayonet, and others…

Applications

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



KROHNE

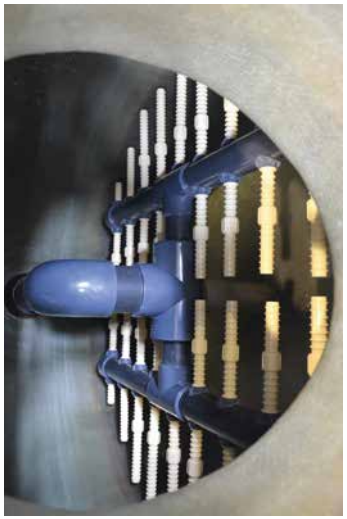
START FILTERS
VERTICAL

Description

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

Applications

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



START
Nozzle plate

Standard equipment

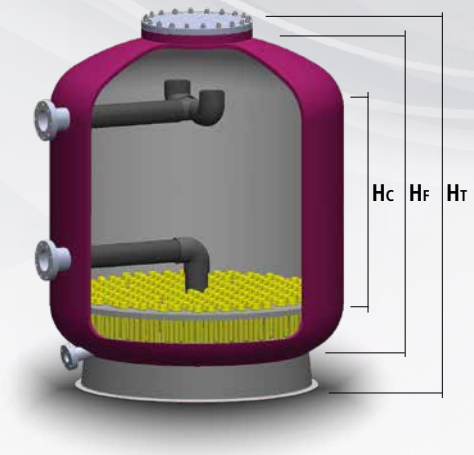
- Design pressure: 2.5, 4, 6 bar
- Test pressure: 1.5 x Design pressure
- GRP (Glass reinforced plastic) or PVC flanges, EN 1092-1 FF
- Chemical barrier: isophtalic resin
- Mechanical reinforcement: ortophtalic resin
- Ambient temperature
- Tank designed according to EN 13121, CE 97/23
- Stainless steel lifting lugs, AISI 304
- GRP base
- Nozzle plate in GRP. Maximum differential pressure: 0,8 bar
- Nozzles in PP. Slots: 0,25 mm
- Polyurethane external coating (UV resistant)

START VERTICAL FILTER – Nozzle plate – 1 m Filtering bed

CODE	Ø	Filtration velocity	Flow	Inlet Outlet	Manhole	Inspection/ drainage	Cylindrical height	Filter height	Total height
							H_C	H_F	H_T
	mm	m/h	m³/h	Ø (mm)	Ø (mm)	Ø (mm)	mm	mm	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

Under request

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



START VERTICAL FILTER – Nozzle plate – 1.2 m Filtering bed

CODE	Ø	Filtration velocity	Flow	Inlet Outlet	Manhole	Inspection/ drainage	Cylindrical height	Filter height	Total height
							Hc	HF	HT
	mm	m/h	m³/h	Ø (mm)	Ø (mm)	Ø (mm)	mm	mm	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 Collectors

Standard equipment

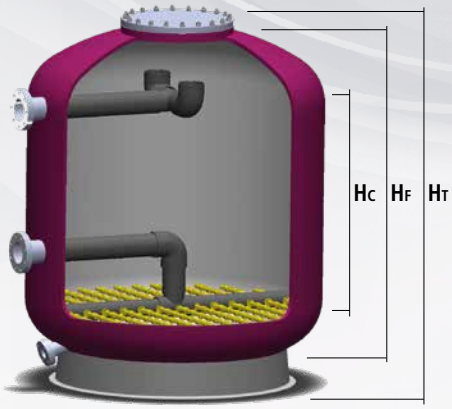
- Design pressure: 2.5, 4, 6 bar
- Test pressure: 1.5 x Design pressure
- GRP (Glass reinforced plastic) or PVC flanges, EN 1092-1 FF
- Chemical barrier: isophtalic resin
- Mechanical reinforcement: ortophtalic resin
- Ambient temperature
- Tank designed according to EN 13121, CE 97/23
- Stainless steel lifting lugs, AISI 304
- GRP base
- Bayonet filtering arms in PP. Slots: 0,25 mm
- Polyurethane external coating (UV resistant)

START VERTICAL FILTER – Collectors – 1 m Filtering bed

CODE	Ø	Filtration velocity	Flow	Inlet Outlet	Manhole	Inspection/ drainage	Cylindrical height	Filter height	Total height
							H_C	H_F	H_T
	mm	m/h	m³/h	Ø (mm)	Ø (mm)	Ø (mm)	mm	mm	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

Under request

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



START VERTICAL FILTER – Collectors – 1.2 m Filtering bed

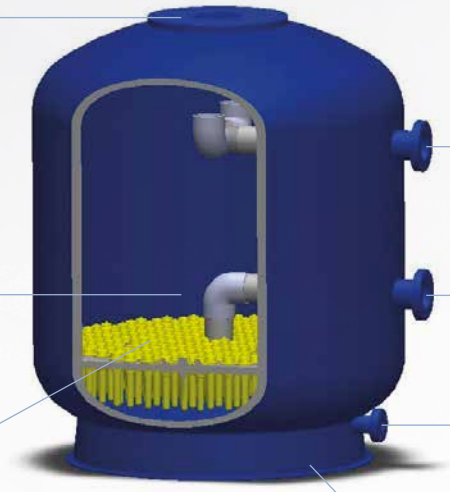
CODE	Ø	Filtration velocity	Flow	Inlet/ Outlet	Manhole	Inspection/ drainage	Cylindrical height	Filter height	Total height
							Hc	HF	HT
	mm	m/h	m³/h	Ø (mm)	Ø (mm)	Ø (mm)	mm	mm	mm
FVSC-12-1000-10	**1000**	10	8	63	400	40	1500	2162	2243
FVSC-12-1000-20		20	16	63	400	40	1500	2162	2243
FVSC-12-1000-30		30	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

Comparative of Trepovi filters

START filter

Top manhole in GFRP, with inserted bolts



Inlet flange, in PVC

Outlet over the nozzles plate, through the bed

Outlet flange, in PVC

Drain flange, in PVC (not total emptying)

Plate in GFRP, with nozzles, with expansión screw

Base, in GFRP

INDUSTRIAL filter

Flange, in GFRP, for sand filling

Security flange, in GFRP

Inlet flange, in GFRP

Side manhole, in GFRP, with removable bolts

Bed without obstacles (no outlet pipe)

Bottom manhole, in GFRP

Legs in GFRP. Minimum height of 400 mm, adaptable according to customer needs.

Plate in GFRP (nozzles with nut)

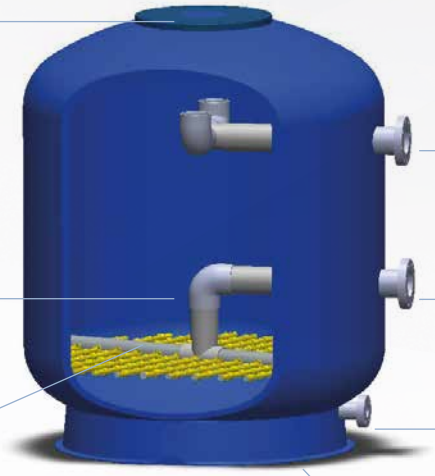
Outlet flange, in GFRP (total emptying)

FILTERS WITH COLLECTOR ARMS

Comparative of Trepovi filters

START filter

Top manhole in GFRP, with inserted bolts



Inlet flange, in PVC

Outlet over the collector arm, through the bed

Outlet flange, in PVC

Drain flange, in PVC (not total emptying)

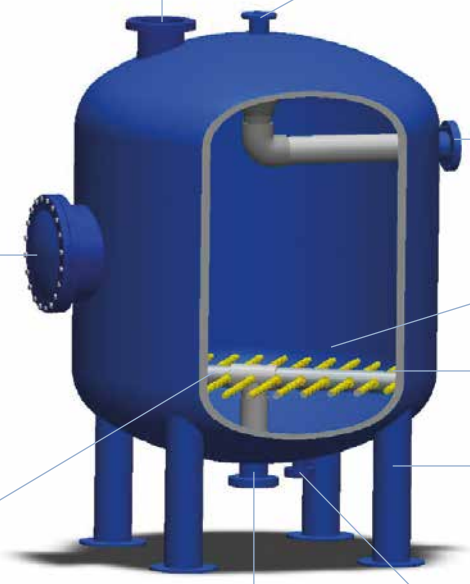
Bayonet collector

Base, in GFRP

INDUSTRIAL filter

Flange, in GFRP, for sand filling

Security flange, in GFRP



Inlet flange, in GFRP

Side manhole, in GFRP, with removable bolts

Bed without obstacles, (no outlet pipe)

Removable collector

Legs in GFRP. Minimum height of 400 mm, adaptable according to customer needs

Threaded collector

Outlet flange, in GFRP

Total drain flange, in GFRP

CARTRIDGE FILTERS

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

Filters are designed according to 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, EN 1092-1 FF
- Chemical barrier: isophtalic resin
- Mechanical reinforcement: ortophtalic resin
- Ambient temperature
- Stainless steel lifting lugs, AISI 304
- GRP legs
- Plate in GRP. Maximum differential pressure: 1,5 bar
- Stainless steel Davit, AISI 304 (only 3 bodies filter)
- Stainless steel bolts, AISI 304. Internal bolts in Super duplex
- Flow calculations with 0.7 $m^3/h \cdot 10''$
- Tank designed according to EN 13121, CE 97/23
- 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 according to pH/temperature ranges
- Different bolt materials
- Other Standards: ASME…
- Seismic and wind calculations

CARTRIDGE FILTER – 2 bodies

CODE	Ø	Total Height	Cylindrical Height	Flow Design	Cartridge Length	Cartridge Length	Cartridges units	Inlet outlet	Drainage	Security	Bleed
	mm	mm	mm	m³/h	"	mm		DN (mm)	DN (mm)	DN (mm)	DN (mm)
FCV2-0500-40	**500**	2160	1100	87	40	1016	31	125	50	50	32
FCV2-0500-50		2430	1370	109	50	1270	31	125	50	50	32
FCV2-0500-70		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		2935	1370	319	50	1270	91	250	50	80	40
FCV2-0800-70		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		3230	1400	529	50	1270	151	300	50	100	50
FCV2-1000-70		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		3700	1455	742	50	1270	212	400	65	125	50
FCV2-1200-70		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		3825	1450	1096	50	1270	313	400	65	150	65
FCV2-1400-70		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		4075	1495	1474	50	1270	421	500	80	200	80
FCV2-1600-70		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		4210	1500	1789	50	1270	511	500	80	200	100
FCV2-1800-70		4860	2050	2504	70	1778	511	600	80	250	100

CARTRIDGE FILTER – 3 bodies

CODE	Ø	Total Height	Cylindrical Height	Flow Design	Cartridge Length	Cartridge Length	Cartridges units	Inlet outlet	Drainage	Security	Bleed
	mm	mm	mm	m³/h	"	mm		DN (mm)	DN (mm)	DN (mm)	DN (mm)
FCV3-0500-40	**500**	2410	1150	81	40	1016	29	125	50	50	32
FCV3-0500-50		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		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		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		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		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		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		4290	1415	1722	50	1270	492	500	80	200	100

SBR – Air diffusers

Description SBR (Sequential Batch Reactor) allows 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.

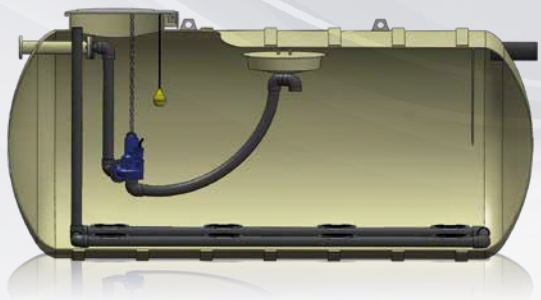
Applications Recommended for irregular flows such as restaurants, campsites, communities, hotels, or domestic use.

Standard equipment

- Screen basin
- 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 to 91/271/CEE
- Tank designed according to EN 13121
- Under ground

Under request

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



SBR with air diffusers (Sequential Batch Reactor)

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

SBR – Ejectors

Description SBR (Sequential Batch Reactor) allows 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 surface blower is not available.

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

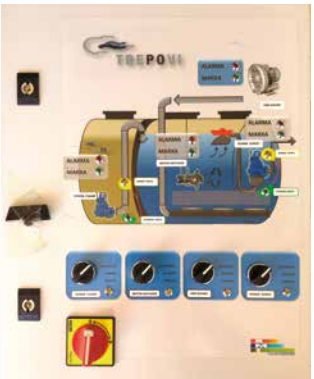
Standard equipment

- Screen basin
- 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 to 91/271/CEE
- Tank designed according to EN 13121
- Under ground

Under request

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

SBR – Denitrification



Description SBR (Sequential Batch Reactor) that allows aerobic and anoxic phase alternatively to eliminate Nitrogen. Includes stirrer to allow mixing in anoxic phase, and inlet buffer compartment to minimize flow variations. It can be equipped with removable diffusers.

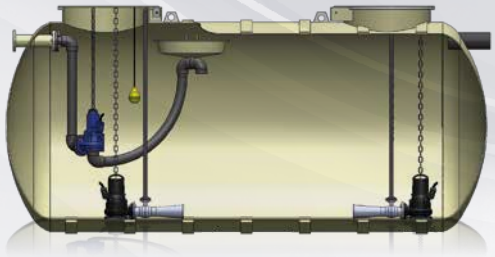
Applications Recommended for irregular flows where elimination of Nitrogen is required, such as restaurants, campsites, communities, hotels, or domestic use.

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 to 91/271/CEE
- Tank designed according to EN 13121
- Under ground

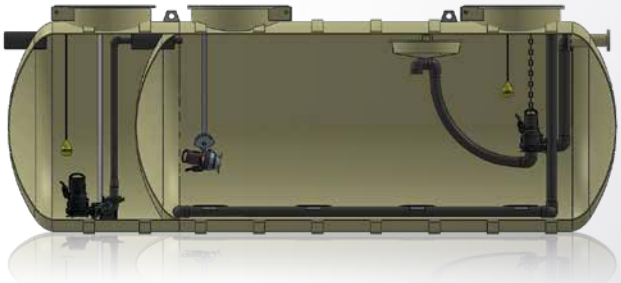
Under request

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



SBR – Ejector aerator

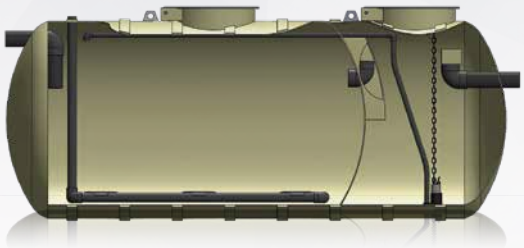
CODE	EQUIVALENT INHABITANTS	Ø	LENGTH	VOLUME	INLET	OUTLET	MANHOLE
		mm	mm	m³	Ø (mm)	Ø (mm)	Ø (mm)
WSBR-E-005	**5**	1720	H 1720	1,5	125	63	1x 1100
WSBR-E-010	**10**	1600	2100	3	160	50	1x 800
WSBR-E-015	**15**	1600	2950	4,5	160	50	1x 800
WSBR-E-020	**20**	2000	2550	6	160	50	1x 1100
WSBR-E-025	**25**	2000	3100	7,5	160	80	1x 1100
WSBR-E-030	**30**	2000	3600	9	160	80	1x 1100
WSBR-E-040	**40**	2000	4700	12	200	80	1x 1100
WSBR-E-050	**50**	2500	3800	15	200	80	1x 1100
WSBR-E-060	**60**	2500	4350	18	200	80	1x 1100
WSBR-E-075	**75**	2500	5500	22,5	200	80	1x 1100
WSBR-E-100	**100**	2500	7150	30	200	80	2x 1100
WSBR-E-125	**125**	2500	8750	37,5	200	80	2x 1100
WSBR-E-150	**150**	3000	7150	45	200	80	2x 1100
WSBR-E-175	**175**	3000	8300	52,5	200	80	2x 1100
WSBR-E-200	**200**	3000	9400	60	200	80	2x 1100
WSBR-E-250	**250**	3000	11700	75	250	80	2x 1100
WSBR-E-300	**300**	3000	13900	86	250	80	2x 1100
WSBR-E-350	**350**	3000	16100	97	250	80	2x 1100
WSBR-E-400	**400**	4000	10950	118	250	80	2x 1100
WSBR-E-500	**500**	4000	13500	142	250	80	2x 1100
WSBR-E-600	**600**	4000	16100	168	250	80	3x 1100



SBR – Denitrification

CODE	EQUIVALENT INHABITANTS	Ø	LENGTH	BUFFER TANK	VOLUME	INLET	OUTLET	MANHOLE
		mm	mm	m³	m³	Ø (mm)	Ø (mm)	Ø (mm)
WSBR-DES-D-010	**10**	1600	4100	1,8	5,0	160	50	2x 800 - 1x 1100
WSBR-DES-D-015	**15**	1600	5100	1,8	6,7	160	50	2x 800 - 1x 1100
WSBR-DES-D-025	**25**	2000	5300	2,9	11,2	160	80	2x 800 - 1x 1100
WSBR-DES-D-030	**30**	2000	6300	3,1	13,8	160	80	2x 800 - 1x 1100
WSBR-DES-D-040	**40**	2500	5400	4,6	17,8	200	80	2x 800 - 1x 1100
WSBR-DES-D-050	**50**	2500	6500	5,1	22,4	200	80	2x 800 - 1x 1100
WSBR-DES-D-075	**75**	2500	9500	7,8	33,4	200	80	2x 800 - 1x 1100
WSBR-DES-D-100	**100**	2500	12400	10,0	44,4	200	80	2x 800 - 1x 1100
WSBR-DES-D-150	**150**	3000	12900	15,5	68,2	200	80	2x 800 - 1x 1100
WSBR-DES-D-200	**200**	3000	16000	20,0	84,3	200	80	2x 800 - 1x 1100
WSBR-DES-D-250	**250**	4000	11400	25,6	107,0	250	80	2x 800 - 1x 1100
WSBR-DES-D-500	**500**	4000	21700	50,0	195,5	250	80	2x 800 - 1x 1100

Total Oxidation



Description Aerobic biological depuration system that allows 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, campsites, communities, hotels, or domestic use.

TOTAL OXIDATION (Extended aeration with clarifier)

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

Standard equipment

- Screen basin
- 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 to 91/271/CEE
- Tank designed according to EN 13121
- Under ground

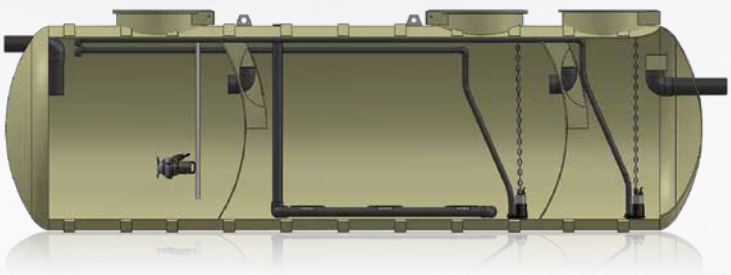
Under request

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

Total Oxidation – Denitrification

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

Applications Recommended for wastewater (domestic type) such as restaurants, campsites, communities, and others where Nitrogen elimination is required.



TOTAL OXIDATION Denitrification

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

Standard equipment

- Screen basin
- 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 to 91/271/CEE
- Tank designed according to EN 13121
- Under ground

Under request

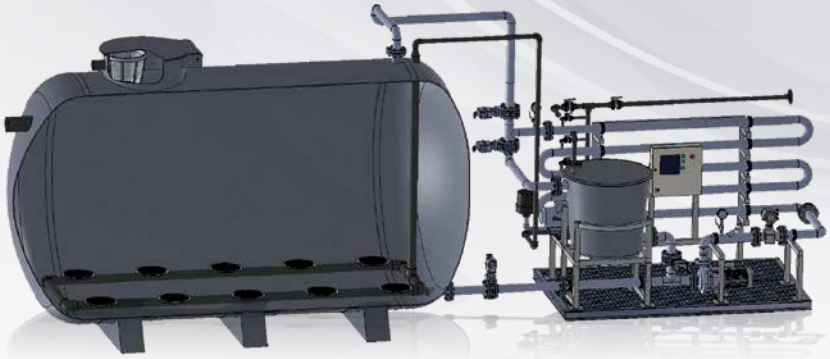
- Different lengths and diameters
- Custom design, according to customer needs (flow, pollution, parameter limits…)
- Sensors (oxygen, pH, redox…)
- Above ground, vertical tanc…
- Resin according to pH ranges
- Other Standards: ASME…

Water reuse with MBR SYSTEM

Description Membrane bioreactor is the best system to regenerate waste water. Using ultrafiltration membranes ensures results and avoids problems.

For grey water, external membranes can be the best solution, to optimize the height needed. Usually, these systems are used in hotels, houses, and sport installations, where the room's height can be a limitation.

Waste water reuse with containerized solution: ready to use. For waste water, using submerged membranes, you save energy and get the same results. Perfect for export, garden irrigation, fiels irrigations, fruit trees, washing streets…



GREY WATER TREATMENT

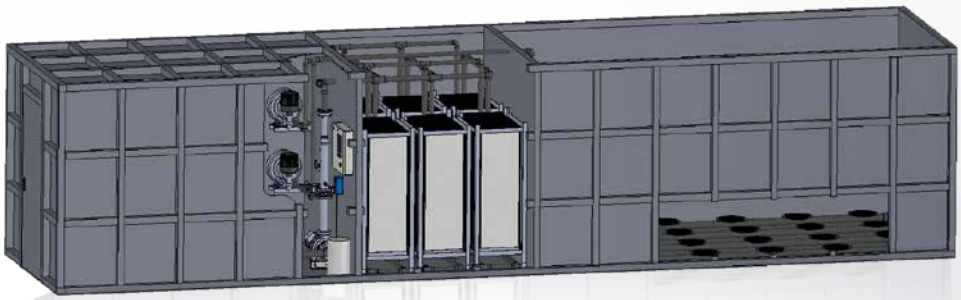
CODE	FLOW	Ø	REACTOR LENGTH	SKID BASE
	m^3/d	mm	mm	mm
WMBR-AG-05	**5**	1600	2150	on-demand
WMBR-AG-10	**10**	1800	3200	on-demand
WMBR-AG-20	**20**	2250	4100	on-demand
WMBR-AG-30	**30**	2250	5900	on-demand
WMBR-AG-50	**50**	2500	7750	on-demand

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
- Standard influent: 190 mg BOD5/l, 190 mg SS/l
- Effluent according to RD 1620/2007
- Tank designed according to EN 13121

Under request

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



CONTAINERIZED MBR

CODE	EQUIVALENT INHABITANTS	FLOW	SIZE	LENGTH	WIDTH	HEIGHT
		m^3/day		mm	mm	mm
WMBR-C-200	**200**	30	Open top 40'	12192	2438	2591

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

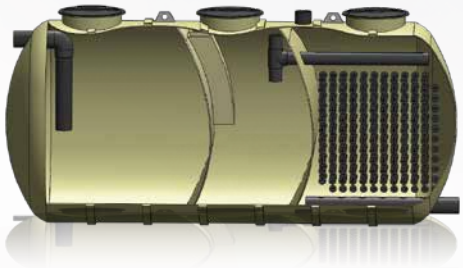
Under request

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

TRICKLING FILTER

Description Three compartments. Initial solids decantation and anaerobic digestion, followed by a second digestion. Finally, the solids-free water enters into the third compartment, full of the biological filter, which consists 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.



TRICKLING FILTER – Settling, digestion, biofilter

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

Standard equipment

- Inlet/outlet in PVC
- Trickling filter
- Manholes in PP (polypropylene)
- Tank designed acc. to EN 13121
- Under ground

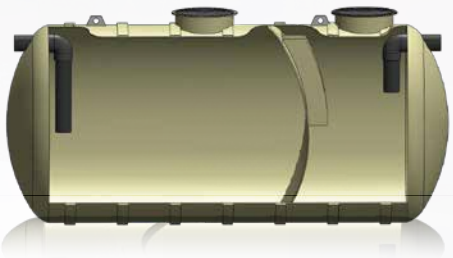
Under request

- Different lengths and diameters
- Above ground, vertical tank…
- Other Standards: ASME…

SEPTIC SYSTEM

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

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



SEPTIC SYSTEM – Settling, digestion

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

Standard equipment

- Inlet/outlet in PVC
- Settling and digestion tanks
- Manholes in PP (polypropylene)
- Tank designed acc. to EN 13121
- Under ground

Under request

- Different lengths and diameters
- Above ground, vertical tank…
- Other Standards: ASME…

SCREEN BASIN

Description 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.

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

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

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

SAMPLE COLLECTOR BASIN

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

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

Standard equipment
- Inlet/outlet in PVC
- Manhole in PP (polypropylene)
- Under ground

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

GREASE SEPARATOR

Description 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	MANHOLE
		l/s	m^3	mm	mm	Ø (mm)	Ø (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 PP (polypropylene)
- Tank designed according to EN 13121
- Under ground

Under request
- Different lengths and diameters
- Above ground, horizontal tank…
- Inlet/outlet GRP flanged
- Resin according to pH ranges
- Other Standards: ASME…

PUMPING STATION

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

Available accessories:

- Pumps according to 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

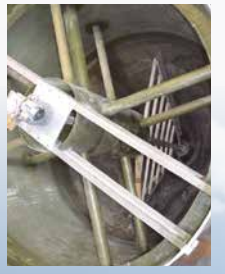
CONICAL CLARIFIER

Trepovi designs and manufactures all types of settling tanks and clarifiers, for any type of waters, with gravity sedimentation or with flotation. Designed according to EN 13121.

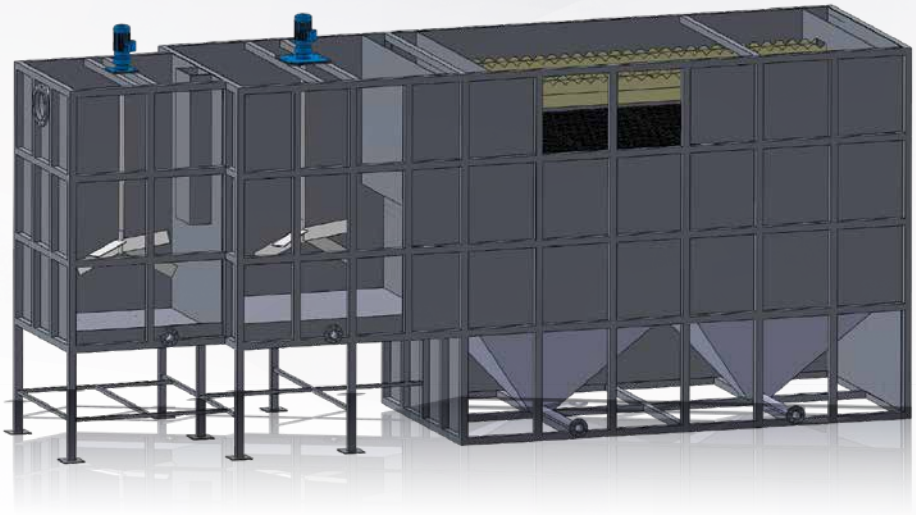
- Conical settling tanks
- Conical thickeners
- Conical grease separators: CAF (Cavitation Air Flotation)

Equipment manufactured can include:

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

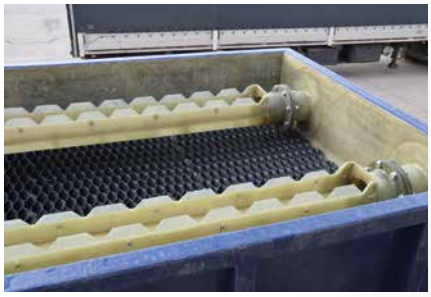


LAMELLA CLARIFIER



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
- Coagulation-flocculation compartments
- Specific resin according to water chemical needs
- Adjustable Thompson channels
- Stairs and walkways fabricated in steel, galvanized steel, stainless, polyester, etc.
- Structural, wind and seismic calculations
- Flow simulations



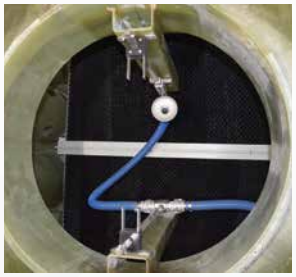
HYDROCARBON SEPARATOR (Class I)

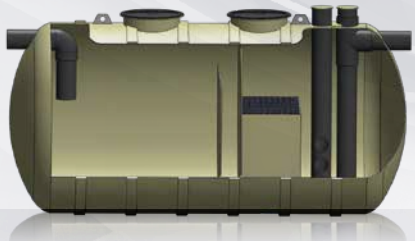
Description Two chambered equipment that separates sand and sludge in the first step. In the second chamber, through a coalescence filter, oils and greases aggregates which allow separation from water. This equipment includes a safety system to avoid any discharge of oils in case of exceeded capacity.

Applications Petrol Stations, car parks, auto repair…

CAR WASHING HYDROCARBON SEPARATOR (Class I)

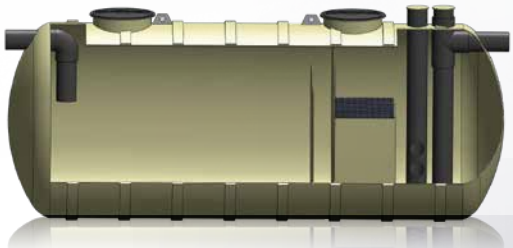
Description Specially designed for car washing conditions.





HYDROCARBON SEPARATOR

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



HYDROCARBON SEPARATOR – Special for car washing machines

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

Standard equipment

- Settling compartment
- Coalescer element
- Inlet/outlet in PVC
- Security valve
- Manholes in PP (polypropylene)
- Designed according to EN 13121, UNE 858
- Under ground

Under request

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

TANKS

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

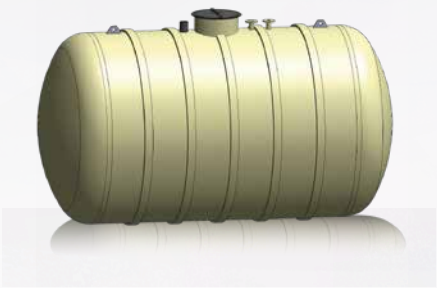
For other applications, our technical department will calculate the best solution for your needs:

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

UNDER GROUND tanks

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



UNDER GROUND tanks

VERTICAL CLOSED TANK

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

Standard equipment

- 2 Flanges DN 50, EN 1092-1 FF, in GRP (Glass reinforced plastic)
- Vent in PVC 110
- Manhole in PP (polypropylene)
- Lifting lugs
- Chemical barrier: isophtalic resin
- Mechanical reinforcement: ortophtalic resin
- Tank designed according to EN 13121

Under request

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

ABOVE GROUND tanks

ABOVE GROUND tanks

HORIZONTAL TANK

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-015-2500	**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

VERTICAL CLOSED TANK

CODE	VOLUME	Ø	HEIGTH
	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

VERTICAL OPEN TANK

CODE	VOLUME	Ø	HEIGTH
	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

VERTICAL CLOSED TANK WITH LEGS

CODE	VOLUME	Ø	HEIGTH
	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

Standard equipment

- 2 Flanges DN 50, EN 1092-1 FF, in GRP (Glass reinforced plastic)
- Vent in PVC 110
- Manhole in PP (polypropylene)
- GRP legs in horizontal and vertical tanks
- Lifting lugs
- Anchors in vertical tanks
- Chemical barrier: isophtalic resin
- Mechanical reinforcement: ortophtalic resin
- Tank designed according to EN 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…
- Accessories: sensors (levels, temperature…), alarms, electrical panel…
- Resin according to pH ranges
- Other Standards: ASME…
- Seismic and wind calculations

RAIN WATER

UNDER GROUND HORIZONTAL TANK

CODE	VOLUME	Ø	LENGTH
	litres	mm	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

Standard equipment

- Removable filter
- Inlet: PVC 110
- Outlet: DN 50 GRP flange, EN 1092-1 FF
- Overflow: PVC 110
- Vent: PVC 110
- Manhole: GRP (folding lid)
- Chemical barrier: isophtalic resin
- Mechanical reinforcement: ortophtalic resin
- Lifting lugs
- Tank designed according to EN 13121

Under request

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

FIRE PROTECTION

ABOVE GROUND - VERTICAL CLOSED TANK

CODE	VOLUME	Ø	HEIGHT
	litres	mm	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

ABOVE GROUND HORIZONTAL

CODE	VOLUME	Ø	LENGTH
	litres	mm	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

UNDER GROUND HORIZONTAL

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

Standard equipment

- 2 Flanges: 1xDN 50, 1xDN 80 in GRP (Glass reinforced plastic), EN 1092-1 FF
- Vent: PVC 110
- Manhole: PE (polyethylene)
- GRP legs in horizontal tanks
- Lifting lugs
- Anchors in vertical tanks
- Chemical barrier: isophtalic resin
- Mechanical reinforcement: ortophtalic resin
- Tank designed according to EN 13121

Under request

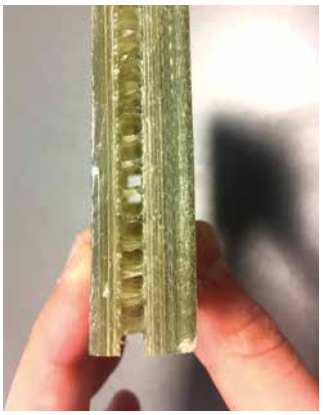
- Different lengths, heights and diameters
- Other resins for any product and temperature
- Additional flanges, manholes…
- Accessories: sensors, levels, alarms…
- Integrated compartment for fire protection pump
- Other standards: ASME…
- Seismic and wind calculations

SPECIFIC TANKS

Besides the common water tanks, Trepovi is especialized in tailor made manufacture for specific needs. Industry, water treatment, energy plants, and others, need different types of tanks, all available in Trepovi. Our technical department will calculate the best solution for your needs.

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 on customer needs / requirements.



ISOLATED tanks

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

CHEMICAL PRODUCT tanks

Trepovi offers tanks with 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 a large range of temperatures.

RECTANGULAR tanks

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

For corrosive ambients or heavy ambient conditions (rainy, gases…), 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 appropiate 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 to the most important standards: EN 13121, ASME X, APQ…
- Seismic and wind calculations

GAS TREATMENT

In Trepovi we manufacture Absortion/Scrubbers, Desorbtion/Stripping, Biotrickling…

We custom make different equipment to remove several substances from water or gas, such as:

HCl, Cl2, SO2, CO2, NOx, NH3, H2S, VOC's, THM...

By our own design, or according to your drawings and specifications.

OTHER EQUIPMENT
CUSTOM MADE

Description As experts 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.

Examples of common applications are:

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

OTHERS

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