ACO light liquid separators

Rotomouled tank system

Icons used in this brochure

- Car parks
- Covered car parks
- Petrol stations
- Vehicle washing facilities
- Roads
- Made in France
- Standard for installing separator systems for light liquids
- EU compliance: separators with the CE marking
- Suitable for use in explosive atmospheres

Contents

The ACO Group is world-renowned for its high-performance drainage systems.

The heir to a longstanding family and industrial tradition, the ACO Group (Ahlmann & Company), founded by Joseph Severin Ahlmann in 1946, initially manufactured and sold prefabricated concrete pieces for the building trade. The 1970s witnessed the appearance and the universal success of drainage systems made of polymer concrete, particularly ACO Drain.

Nowadays, the ACO Group is the world leader in drainage technology. Climate change compels us to respond effectively by providing innovative solutions to our new environmental conditions.

Health and safety outside buildings have become a major issue, which must conform to strict standards and technical and practical constraints in accordance with current legislation.

Thanks to our global approach, ACO is now a leading specialist in professional and residential drainage and in water treatment, regulation and controlled infiltration. The backbone of the ACO Group is built on intense research and development plus technical expertise in manufacturing products and solutions made with polymer concrete, plastic, cast iron, stainless steel and galvanized steel. ACO has a presence in more than 50 countries, with a total of 40 production sites at present on six continents.

ACO France designs, manufactures and markets innovative, sustainable water cycle management solutions

More than 40 years of experience have made ACO France an undisputed actor in the water sector.

Based in Notre-Dame-de-l'Isle in Normandy, ACO France employs a staff of some 140 people. The 8 hectare site on the banks of the Seine counts 3,500 m² of production shops (resin concrete and stainless steel metalwork), 2,300 m² for logistics and 20,000 m² of storage space.

ACO France is an industrial company with ISO 9001:2015 certification.

Each drainage solution is designed to offer maximum reliability and optimal lifespans and durability. Our quality management system guarantees quality control over our products and our commitment to customer satisfaction.

www.aco.fr

Hans-Julius Ahlmann, Managing Partner of the ACO Group, with his son Iver

ACO Group head offices
in Rendsburg/Büdelsdorf, Germany

5,300

employees in more than 50 countries (Europe, North and South America, Asia, Australia & Africa)

€1.1 bn

Turnover in 2022

40

production sites in 20 countries

ACO Academy
for hands-on training

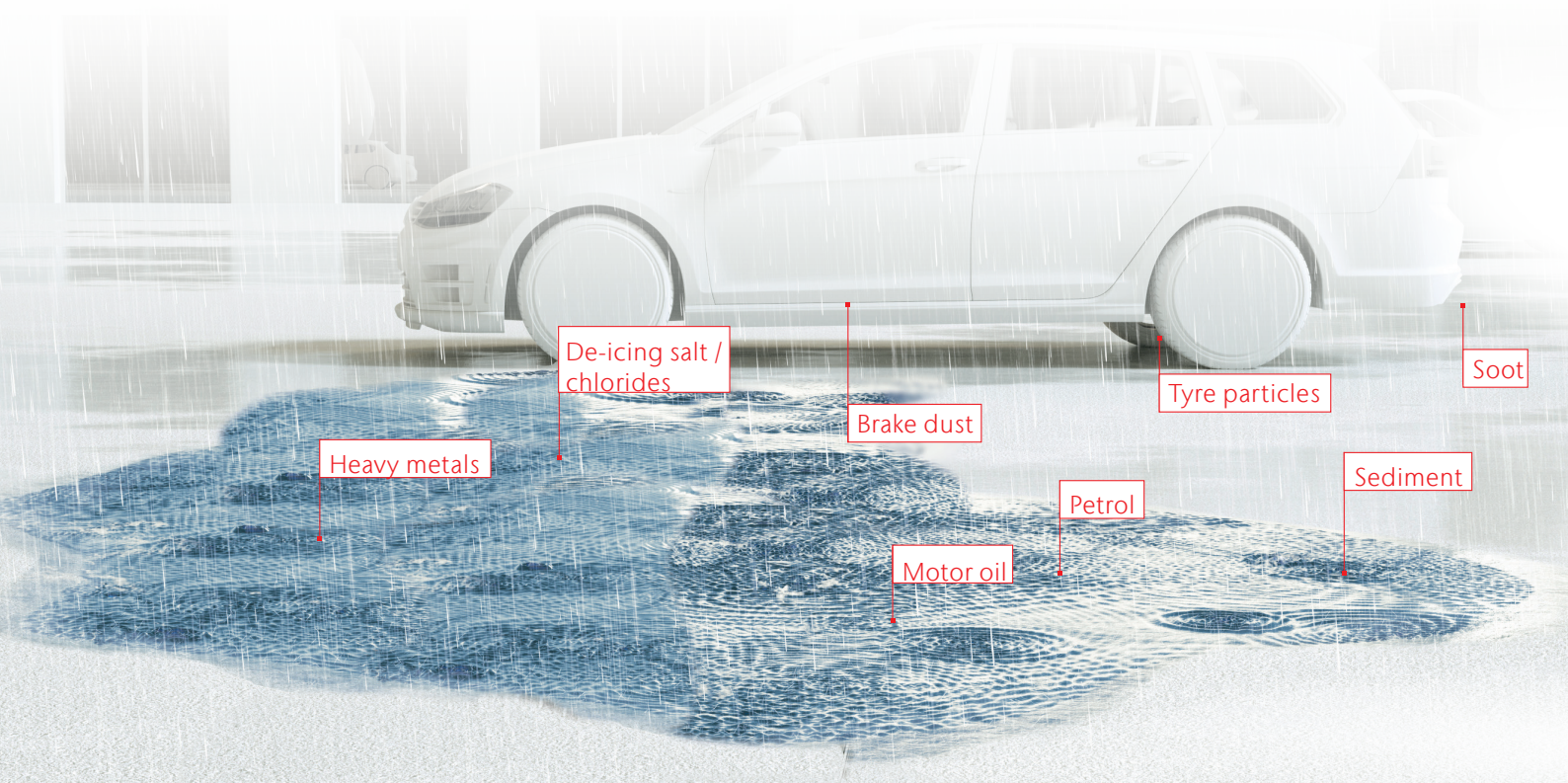
Preserving water quality : A major challenge

Pollutants discharged into sewage contaminate and increase pollution in freshwater and saltwater.
If we don't take care in advance, water degradation could have serious repercussions for all of humankind.
The EU Water Framework Directive (WFD) of 22 October 2000 bolstered regulations relating to water protection.
The WFD defined concrete objectives for all European Community countries in order to ensure a "good status" of natural environments by 2015. On 30 December 2006, France's Water and Aquatic Environments Act (LEMA) strengthened the powers of local authorities and provided new national tools for attaining the WFD's objectives.

Hydrocarbons: Dangerous to the environment

Because hydrocarbons are lighter than water, they form a thin film on the water surface that prevents the penetration of oxygen, which is vital to all living organisms.
Aromatic hydrocarbons (like benzene, toluene and xylene) are devastating poisons that can build up in the food chain.
Halogenated hydrocarbons (such as dichloromethane, trichloroethylene and dioxin), also known as halocarbons, are often referred to POPs (persistent organic pollutants).
Hydrocarbons also slow down the operation of treatment plants.

Major sources of pollution...



Preventing irreversible damage

Rainwater that drains off of traffic zones contains much more pollutants than might be expected.

For example, heavily travelled roads are polluted by harmful substances from tyres (due to wear and tear), brake dust and exhaust fumes, as well as traces of petrol and motor oil.

Not to mention the use of de-icing solutions every winter.

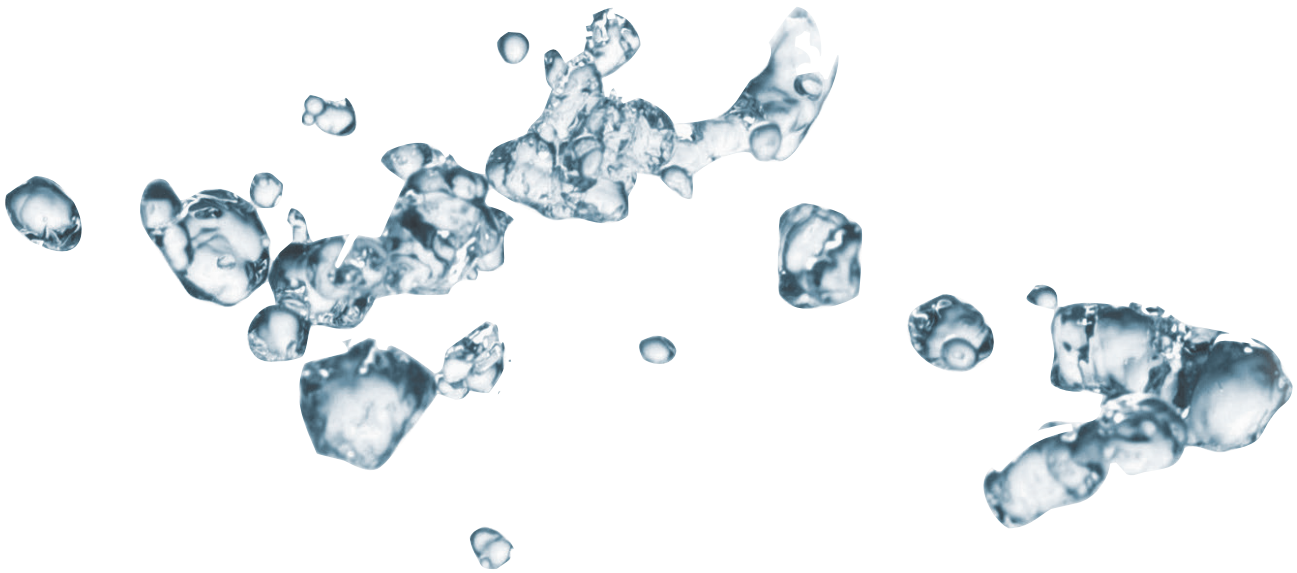
Runoff inevitably carries all these pollutants into the water table, where they can cause significant damage.

Oil separators are subject to the design requirements stipulated in standard EN 858-1

Oil separators reduce the quantity of mineral hydrocarbons in runoff water and in some industrial wastewater (from vehicle washing facilities, etc.).

They are designed to:

- Treat production wastewater residuals and water used to wash or clean vehicles, tools or potentially polluted surfaces
- Treat storm drainage contaminated by motor oil or hydrocarbons
- Trap low-density liquids in general.



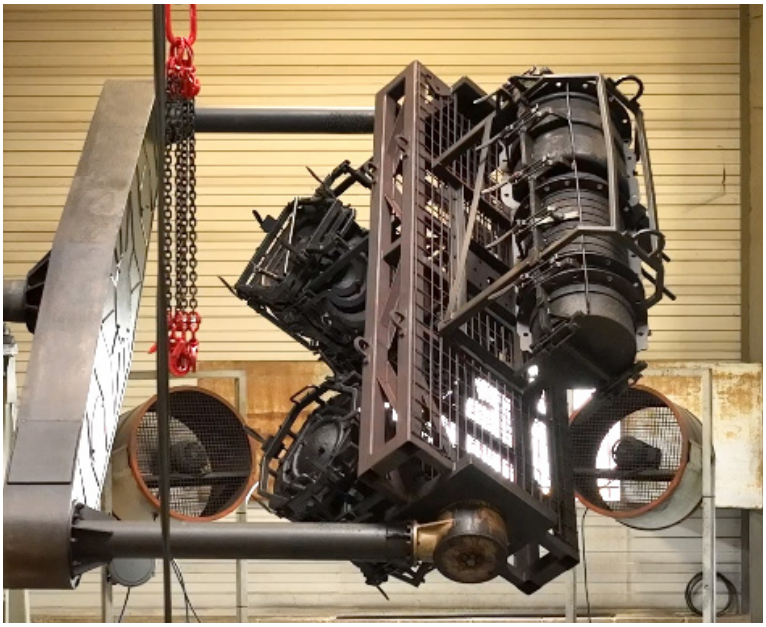
How ACO can meet your needs...

Our manufacturing plant in Friville, France

At our production plant in Friville, our highly qualified personnel design and manufacture polyethylene tanks by means of an industrial process known as “rotational moulding” or “rotomoulding”. That process creates plastic parts by rotating heated moulds. This expertly executed technique produces pieces that are sturdy, tight, seamless and technically complex, in a variety of shapes and dimensions. The material is resistant to impacts, deformation and large temperature fluctuations. Regular investments in the site are planned to ensure the longevity of our strategy of continuous improvement and “Made in France” products.

Through these synergies and our production capacities, ACO is strengthening its position on the rainwater management market and expanding its water cleaning (pre-treatment) and storage activities. Thanks to the diversity of our products, ACO has the expertise needed to take action throughout the water cycle and to provide even better responses to our clients’ needs, both in France and abroad. In fact, each solution along the ACO chain is designed to collect, clean, hold, release and reuse water.

View from the sky



Rotomoulding process

Oleocido:
Operation principles

Regulations require the restriction of discharges of runoff water loaded with sludge and/or hydrocarbons from the following locations:

- Parking areas
- Roads
- Vehicle washing facilities
- Petrol stations
- Industrial parks
- Ports and airports.

As a result, the use of an oil separator is recommended in order to decontaminate water and contain any accidental pollution. Oil separators work according to the principle of coalescence. They are fitted with coalescing filters that facilitate the separation of water from lighter liquids.

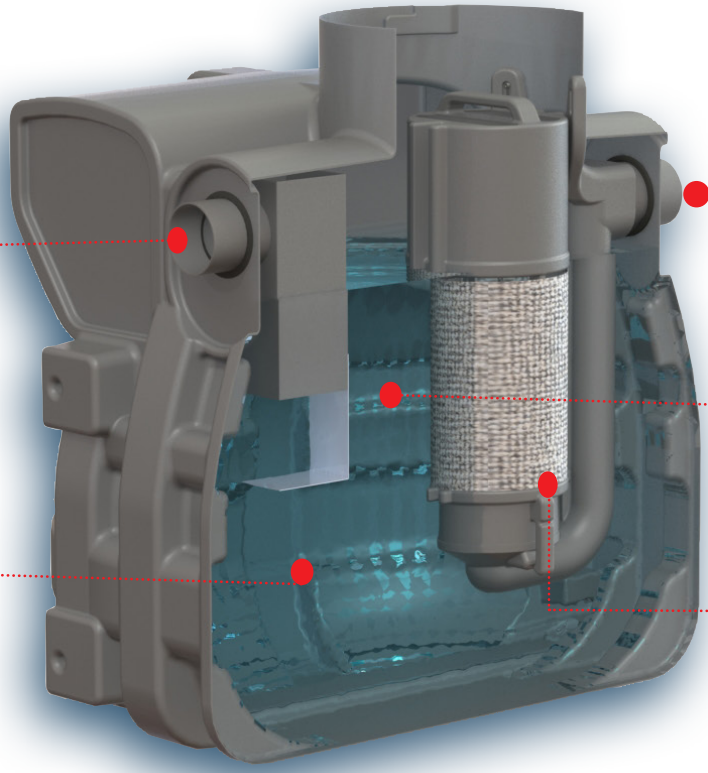
An oil separator's outlet is equipped with an automatic closure device.

Based on the pressure exerted by the layer of lightweight substances, that device will close the outlet once that layer becomes too thick.

At that point, all discharge into the public water system or a storage area is completely blocked.

To prevent and plan ahead for this risk, standards require the use of an alarm system, except in the case of a special dispensation given by the local authorities.

Oil alarm (required)



1 Oil separators

Oleocido range

ACO is updating our range of oil separators with a portfolio that comes in multiple materials! As a global water management actor, ACO plays a major role on the French water cleaning market. ACO offers a wide range of separators made of polyethylene or polyester as part of a multi-material strategy, complete with CE marking and compliant with standard EN 858-1 and -2.

With cutting edge solutions for cleaning runoff water travelling over waterproofed surfaces, our technologies deliver superior results that conform to regulations and standards.

ACO Oleocido-P: A robust, stable solution made of polyethylene

- Our oil separators made of rotomoulded polyethylene – ACO Oleocido-P, available for flow rates of 1.5 to 65 l/s – have a coalescing filter and a patented design that promise simplified upkeep and results.
- They can be fitted with a rotomoulded bypass on the tank. The new rotationally moulded polyethylene design makes the Oleocido-P range a solid yet lightweight solution with a lifespan of over 50 years, that is corrosion, shock and chemical resistant and that boasts great mechanical strength.

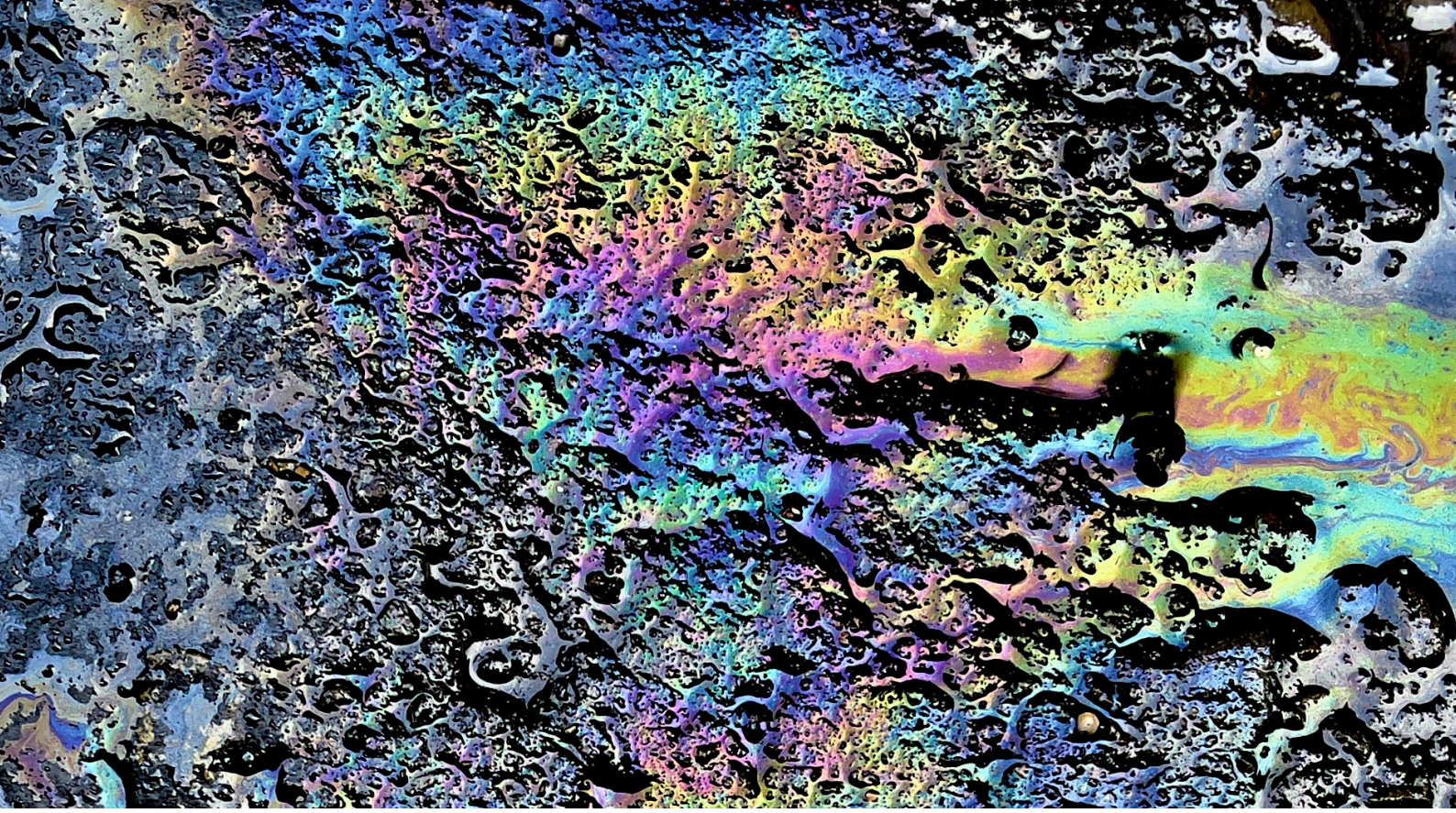
ACO Oleocido-P R+: A reinforced solution for simplified water table installation

ACO Oleocido-P R+ oil separators feature similar cleaning characteristics to the Oleocido-P range, with this reinforced range being designed for flows of 1.5 to 10 l/s.

They were designed to be installed where the water table is higher than the lower part of the structure and/or where infiltration/inflow can accumulate in embankments throughout the year.

The Oleocido-P R+ range can be installed without the need for concrete or stabilized sand.

- Guaranteed peace of mind about your product's durability and its maintenance, mainly performed during drainage
- Timed saved during the install process
- Optimized water supply to your worksite.



Sizing an oil separator

France is divided into three geographic zones based on storm precipitation.

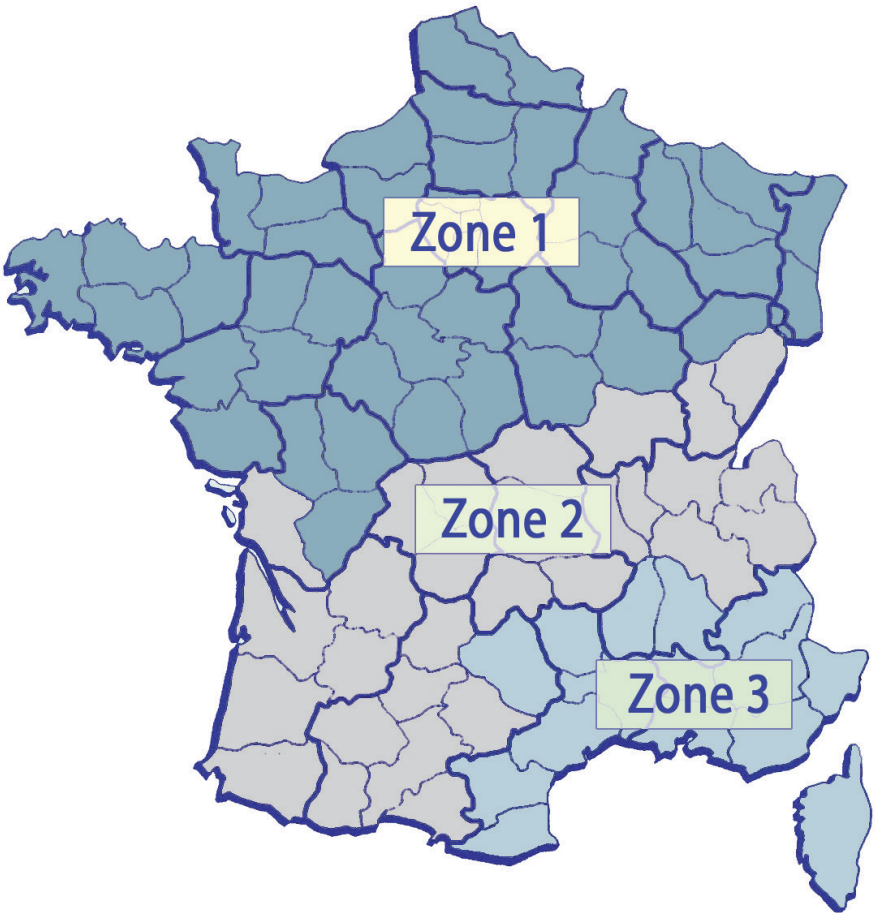
To determine the right size, select your department from the map shown here.

- Zone 1: 0.03 l/s/m²
- Zone 2: 0.04 l/s/m²
- Zone 3: 0.05 l/s/m²

The table on page 13 uses the formula from standard EN 752:

Qr = w x i x A

Maximum flow rate = Runoff coefficient (w)
x
10-year rainfall intensity (i)
x
Road surface (A)



Areas where bypass is allowed

Oleocido-P with Bypass

Zone 1 [m²]	Zone 2 [m²]	Zone 3 [m²]	NS [Unit]	Ref. ACO
1-556	1-417	1-333	3 l/s	307800
556-1111	418-833	334-667	6 l/s	307801
1112-1852	834-1389	668-1111	10 l/s	307802
1853-2778	1390-2083	1112-1667	15 l/s	307833
2779-3704	2084-2778	1668-2222	20 l/s	307834
3705-5556	2779-4167	2223-3333	30 l/s	307836
5557-7407	4168-5556	3334-4444	40 l/s	307837
7408-9260	5557-6944	4445-5556	50 l/s	300838
9261-12037	6945-9028	5557-7222	65 l/s	300839

Oleocido-G with Bypass

Zone 1 [m²]	Zone 2 [m²]	Zone 3 [m²]	NS [Unit]	Ref. ACO
12038-14815	9029-11111	7223-8889	80 l/s	P406603
14816-18519	11112-13889	8890-11111	100 l/s	P406604
18520-23149	13890-17361	11112-13889	125 l/s	P406606
23150-27778	17362-20834	13890-16667	150 l/s	P406608
27779-32407	20834-24305	16668-19444	175 l/s	P406619
32408-37037	24306-27778	19445-22222	200 l/s	P406620
37038-46297	27779-34722	22223-27778	250 l/s	P406623
46298-55555	34723-41667	27779-33333	300 l/s	P406624

Areas where bypass is prohibited

Oleocido-P without Bypass

Zone 1 [m²]	Zone 2 [m²]	Zone 3 [m²]	NS [Unit]	Ref. ACO
1-40	1-28	1-22	1.5 l/s	307811
40-110	29-83	23-67	3 l/s	307812
111-220	84-167	68-133	6 l/s	307813
221-370	168-278	133-222	10 l/s	307814
371-555	279-417	222-333	15 l/s	307845
556-740	418-556	334-444	20 l/s	307846
741-1111	557-833	445-667	30 l/s	307848
1112-1481	834-1111	668-889	40 l/s	307849
1482-1857	1112-1389	990-1111	50 l/s	300850
1858-2407	1390-1806	1112-1444	65 l/s	300851

Oleocido-G without Bypass

Zone 1 [m²]	Zone 2 [m²]	Zone 3 [m²]	NS [Unit]	Ref. ACO
2408-2963	1807-2222	1445-1777	80 l/s	P406655
2964-3703	2223-2777	1778-2222	100 l/s	P406656
3704-4629	2778-3472	2223-2666	125 l/s	P406657
4630-5555	3473-4166	2667-3333	150 l/s	P406658
5556-6481	4167-4861	3334-3888	175 l/s	P406659
6482-7407	4862-5555	3889-4444	200 l/s	P406660
7408-9259	5556-6944	4445-5555	250 l/s	P406661
9260-1111	6945-8333	5556-6666	300 l/s	P406663

Please don't hesitate to contact us for custom sizing.
You can reach our technical teams at technicocom-swm@aco.fr
or discover our selection and sizing tools on our website: www.aco.fr.

Oleocido-PB / Oleocido-PB R+ with Bypass

NS 3 to NS 10

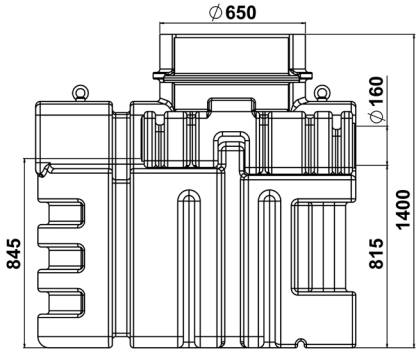
Product characteristics

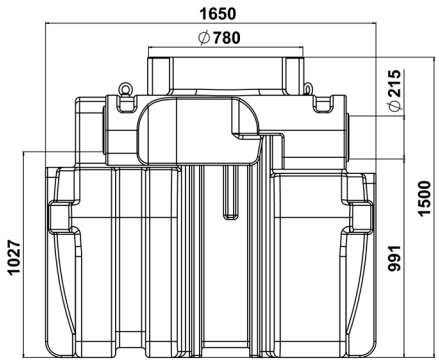
- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Rotationally moulded bypass
- Full access through a single manhole
- Optional alarms
- R+ reinforced version

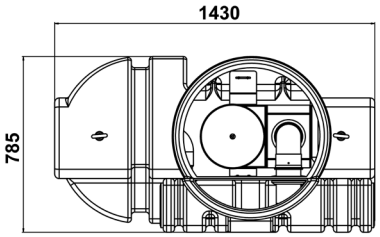
PATENT EP 2020465

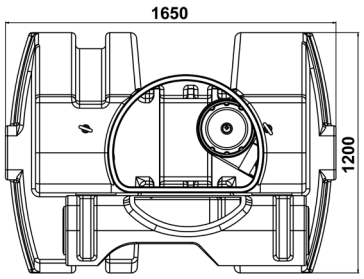
Item no.	Nominal size	Dimensions			
		Inlet/outlet DN	Sludge trap size	Oil trap size	Total size
		[mm]	[l]	[l]	[l]
Oleocido-PB					
307800	NS 3	160	300	100	590
307801	NS 6	200	600	200	1260
307802	NS 10	315	1000	110	1680
Oleocido-PB R+					
309031	NS 3	160	300	100	590
309032	NS 6	200	600	200	1260
309033	NS 10	315	1020	110	1680

Technical drawings

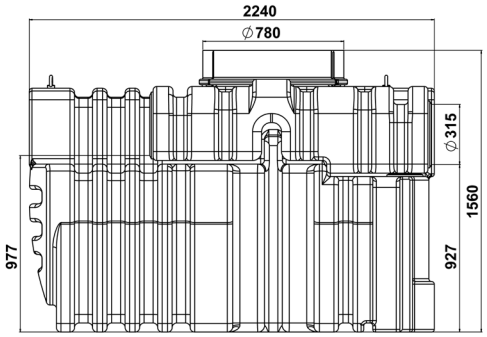




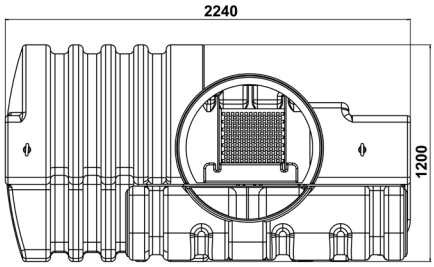




NS 3



NS 6



NS 10

Dimensions

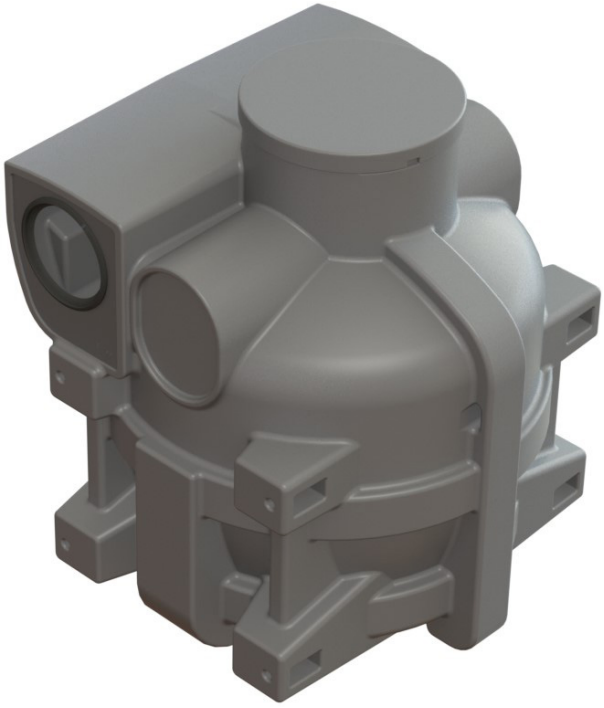
Item no.	Nominal size	Length	Width	Height	Riser diameter	Inlet height	Outlet height
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
Oleocido-PB							
307800	NS 3	1430	785	1400	650	555	585
307801	NS 6	1650	1200	1500	780	473	509
307802	NS 10	2240	1200	1560	780	583	633
Oleocido-PB R+							
309031	NS 3	1434	785	1400	650	555	585
309032	NS 6	1650	1200	1500	780	473	509
309033	NS 10	2240	1200	1560	780	583	633

Oleocido-PB with Bypass

NS 15 to NS 20

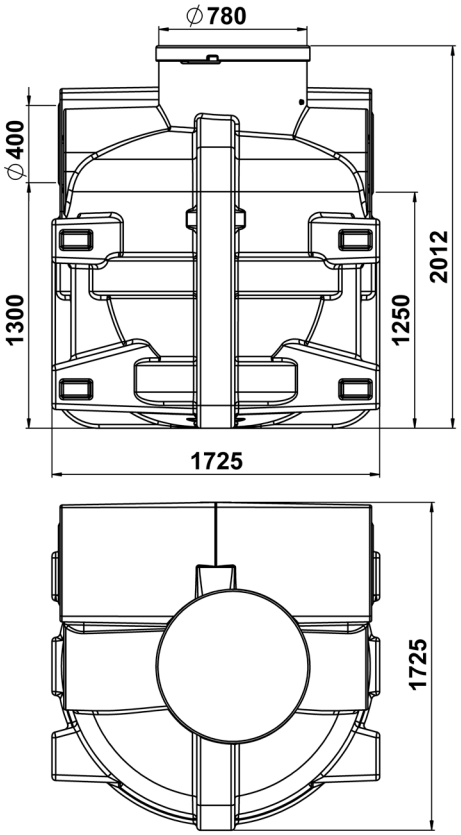
Product characteristics

- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Rotationally moulded bypass
- Optional alarms

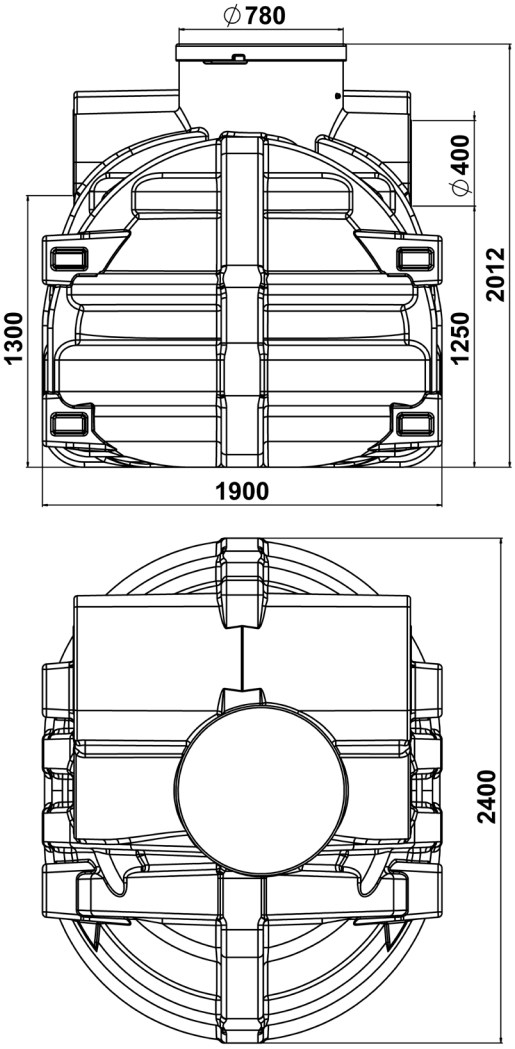


		Dimensions			
Item no.	**Nominal size**	**Inlet/outlet DN**	**Sludge trap size**	**Oil trap size**	**Total size**
		[mm]	**[l]**	**[l]**	**[l]**
300833	NS 15	400	1535	350	2270
300834	NS 20	400	2098	1000	3600

Technical drawings



NS 15



NS 20

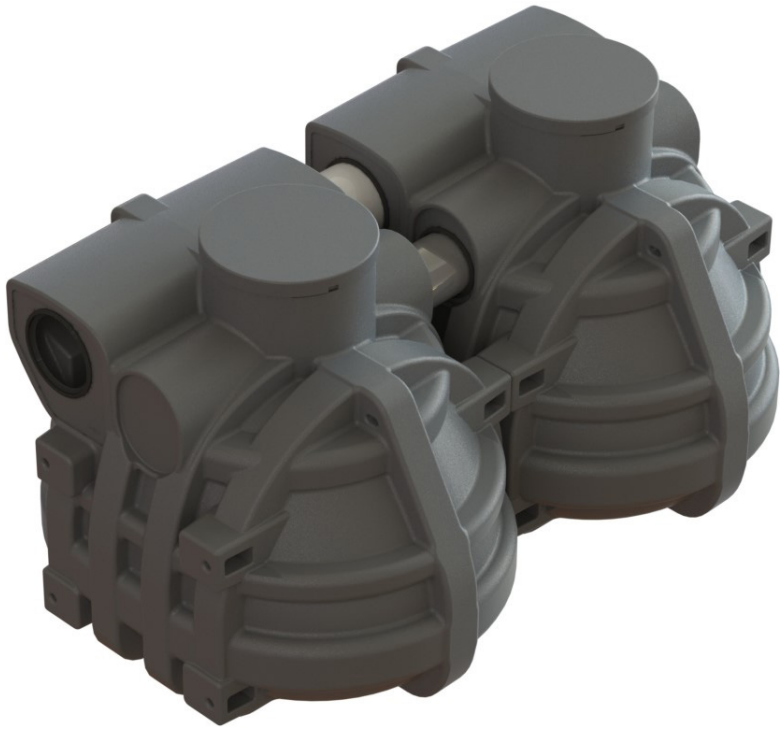
Item no.	Nominal size	Dimensions					
		Length	Width	Height	Riser diameter	Inlet height	Outlet height
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
300833	NS 15	1725	1725	2012	780	712	762
300834	NS 20	1900	1900	2012	780	712	762

Oleocido-PB with Bypass

NS 30 to NS 40

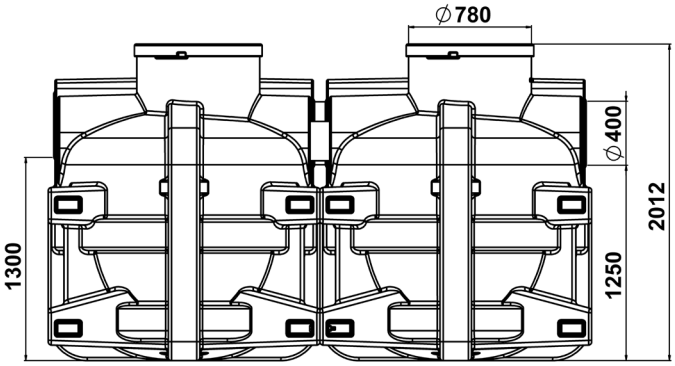
Product characteristics

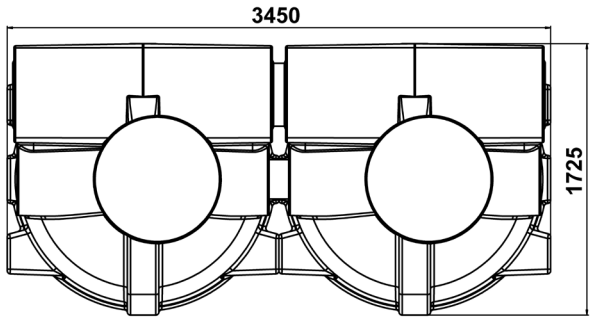
- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Rotationally moulded bypass
- Optional alarms



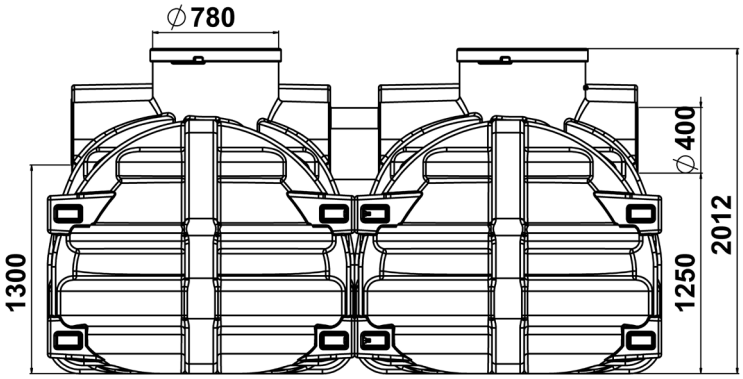
		Dimensions			
Item no.	**Nominal size**	**Inlet/outlet DN**	**Sludge trap size**	**Oil trap size**	**Total size**
		[mm]	**[l]**	**[l]**	**[l]**
300836	NS 30	400	3500	800	4540
300837	NS 40	400	4500	1000	7200

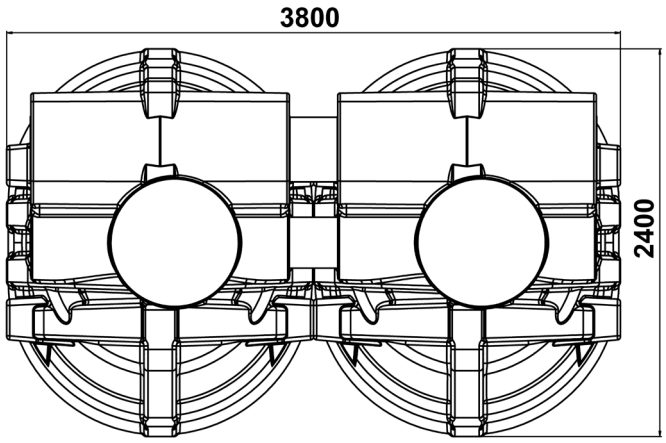
Technical drawings





NS 30





NS 40

		Dimensions					
Item no.	Nominal size	Length	Width	Height	Riser diameter	Inlet height	Outlet height
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
300836	NS 30	3450	1725	2012	780	712	762
300837	NS 40	3800	2400	2012	780	712	762

Oleocido-PB with Bypass

NS 50 to NS 65

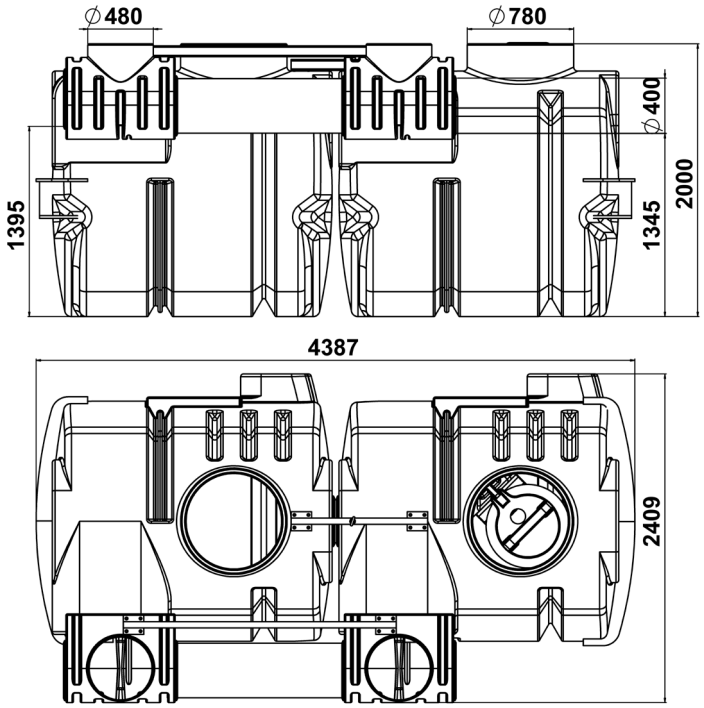
Product characteristics

- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Rotationally moulded bypass
- Optional alarms

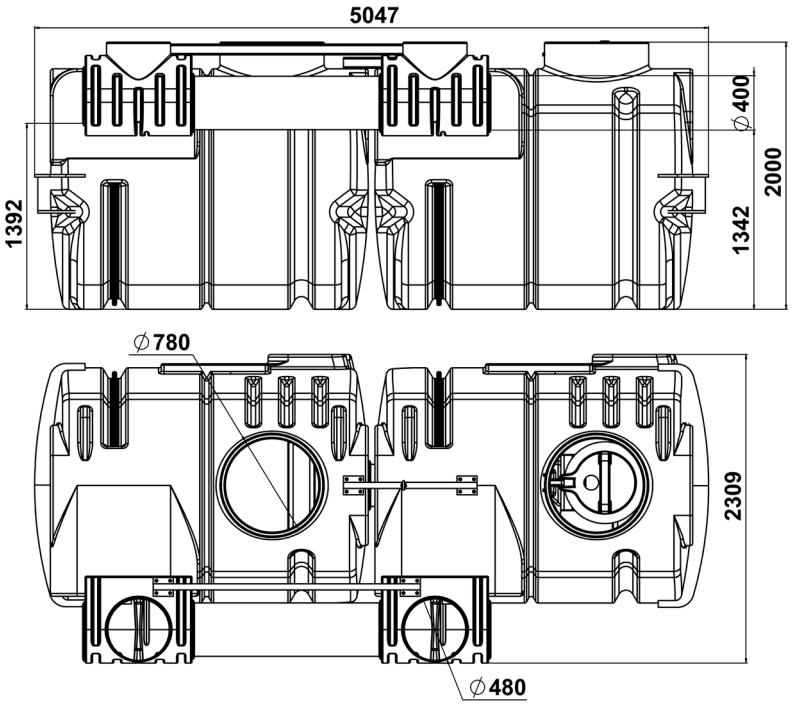
		Dimensions			
Item no.	**Nominal size**	**Inlet/outlet DN**	**Sludge trap size**	**Oil trap size**	**Total size**
		[mm]	**[l]**	**[l]**	**[l]**
300838	NS 50	400	5600	1500	8290
300839	NS 65	400	6600	1800	9600

Technical drawings

NS 50



NS 65



		Dimensions					
Item no.	**Nominal size**	**Length**	**Width**	**Height**	**Riser diameter**	**Inlet height**	**Outlet height**
		[mm]	**[mm]**	**[mm]**	**[mm]**	**[mm]**	**[mm]**
300838	NS 50	4387	2409	2000	780	605	655
300839	NS 65	5047	2309	2000	780	605	655

Oleocido-P / Oleocido-P R+

Total retention – NS 1.5 to NS 10

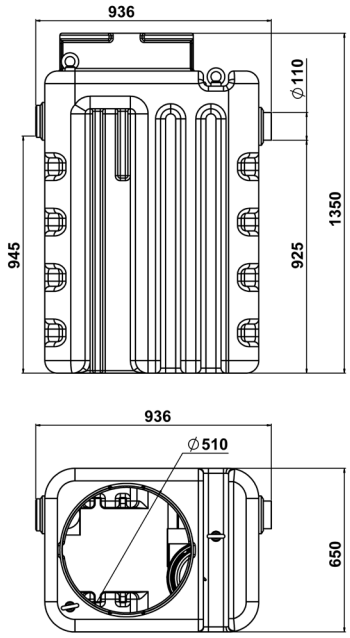
Product characteristics

- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Optional alarms
- R+ reinforced version recommended for water table installation

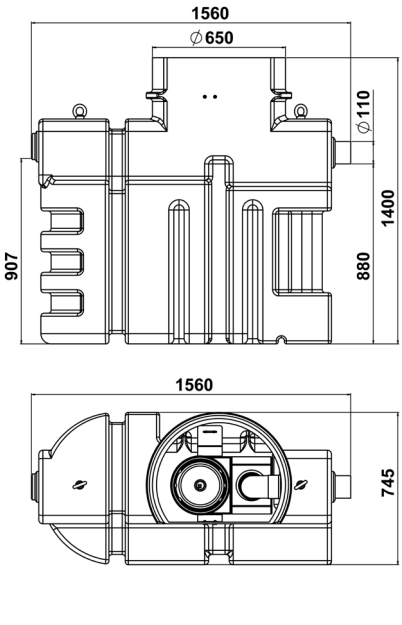
Dimensions

Item no.	Nominal size	Inlet/outlet DN	Sludge trap size	Oil trap size	Total size
		[mm]	[l]	[l]	[l]
Oleocido-P					
307811	NS 1.5	110	170	100	380
307812	NS 3	110	330	100	600
307813	NS 6	160	670	200	1250
307814	NS 10	160	1100	160	1770
Oleocido-P R+					
309037	NS 1.5	110	170	100	380
309034	NS 3	110	330	100	600
309035	NS 6	160	670	200	1250
309036	NS 10	160	1100	160	1770

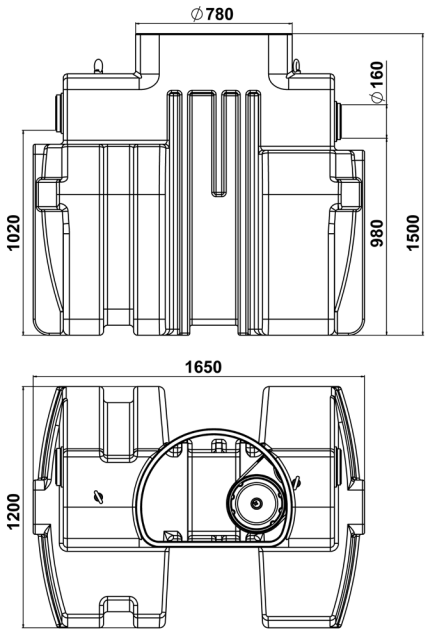
Technical drawings



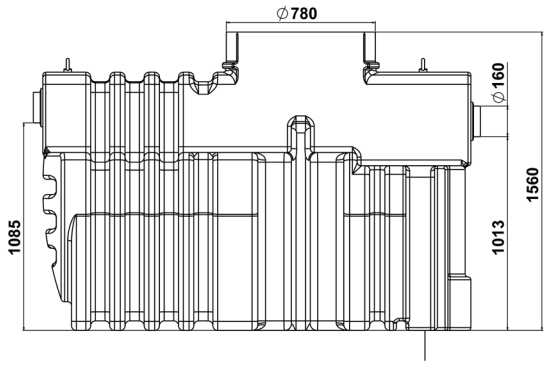
NS 1.5

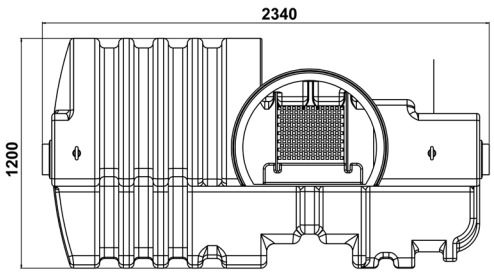


NS 3



NS 6





NS 10

Dimensions

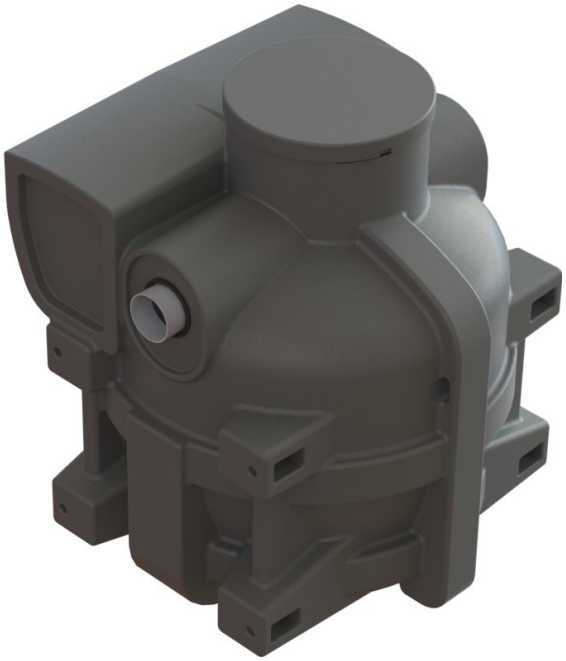
Item no.	Nominal size	Length	Width	Height	Riser diameter	Inlet height	Outlet height
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
Oleocido-P							
307811	NS 1.5	920	650	1350	520	405	425
307812	NS 3	1530	745	1400	650	493	520
307813	NS 6	1650	1200	1500	780	479	520
307814	NS 10	2340	1200	1560	780	475	547
Oleocido-PB R+							
309037	NS 1.5	919	650	1350	520	405	425
309034	NS 3	1505	745	1400	650	493	520
309035	NS 6	1650	1200	1500	780	479	520
309036	NS 10	2340	1200	1560	780	475	547

Oleocido-P

Total retention – NS 15 to NS 20

Product characteristics

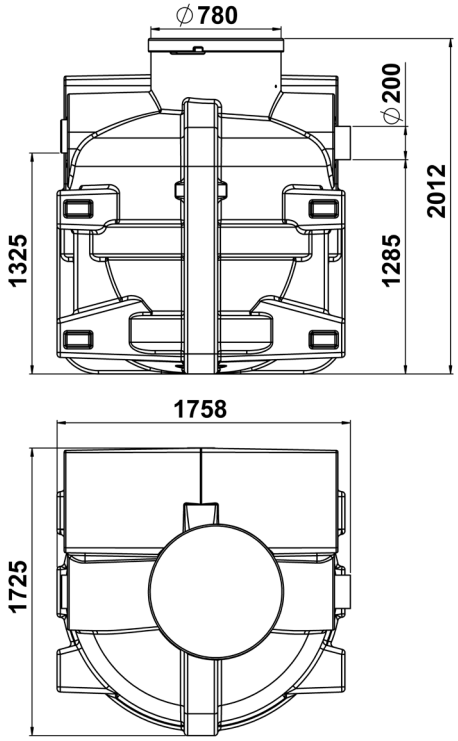
- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Optional alarms



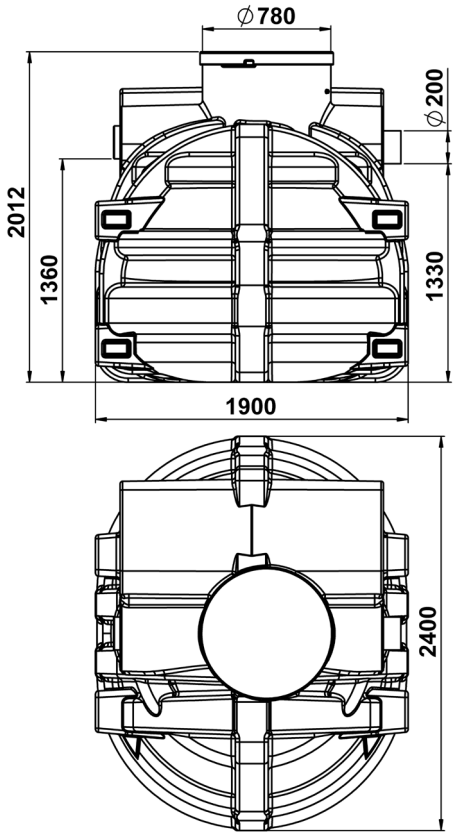
		Dimensions			
Item no.	**Nominal size**	**Inlet/outlet DN**	**Sludge trap size**	**Oil trap size**	**Total size**
		[mm]	**[l]**	**[l]**	**[l]**
300845	NS 15	200	1535	350	2270
300846	NS 20	200	2098	1400	3600

Technical drawings

NS 15



NS 20



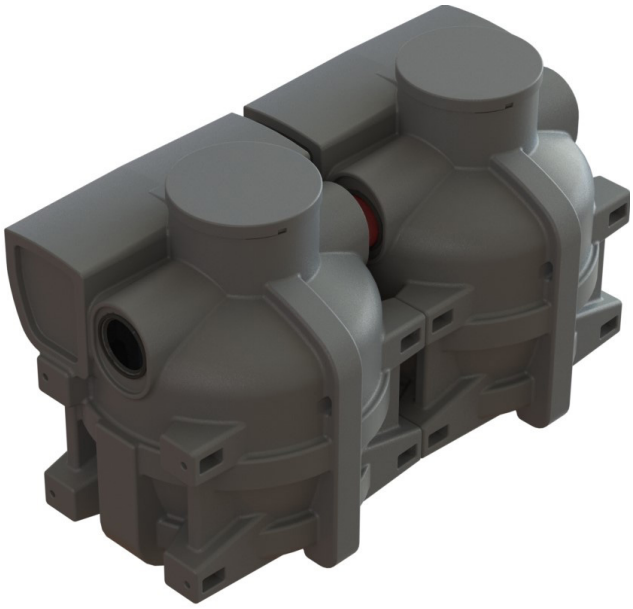
		Dimensions					
Item no.	**Nominal size**	**Length**	**Width**	**Height**	**Riser diameter**	**Inlet height**	**Outlet height**
		[mm]	**[mm]**	**[mm]**	**[mm]**	**[mm]**	**[mm]**
300845	NS 15	1725	1725	2012	780	687	727
300846	NS 20	2400	1900	2012	780	652	682

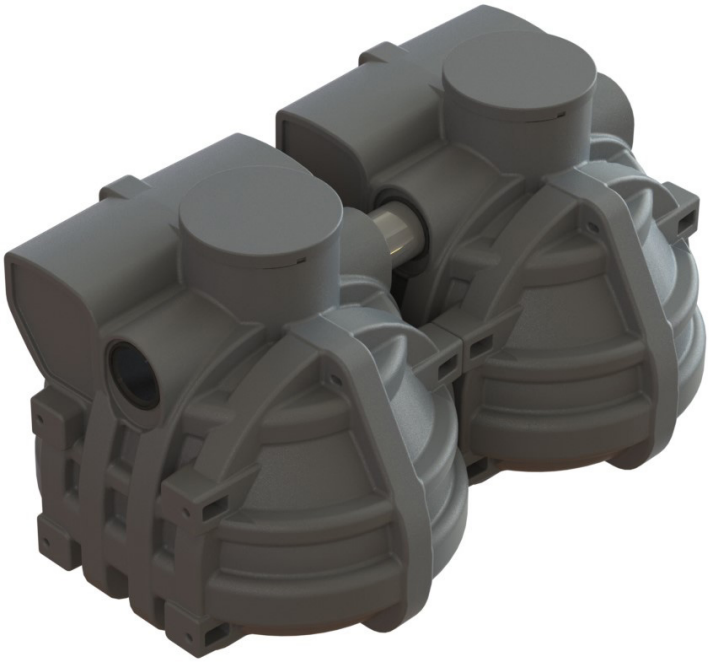
Oleocido-P

Total retention – NS 30 to NS 40

Product characteristics

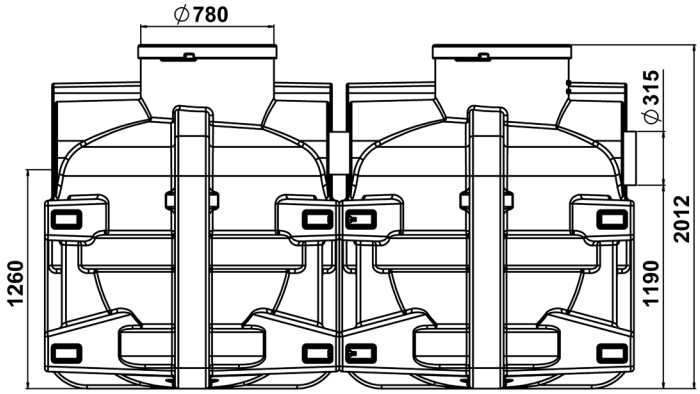
- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Optional alarms

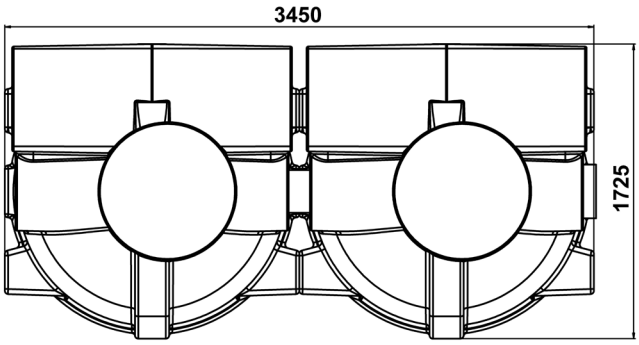




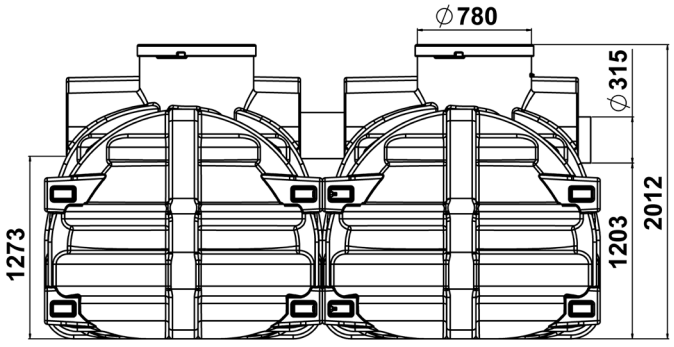
Item no.	Nominal size	Dimensions			
		Inlet/outlet DN	Sludge trap size	Oil trap size	Total size
		[mm]	[l]	[l]	[l]
300848	NS 30	315	3500	800	4540
300849	NS 40	315	4500	1400	7200

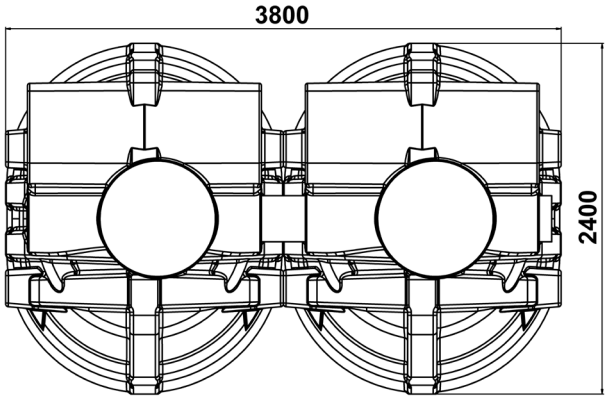
Technical drawings





NS 30





NS 40

		Dimensions					
Item no.	**Nominal size**	**Length**	**Width**	**Height**	**Riser diameter**	**Inlet height**	**Outlet height**
		[mm]	**[mm]**	**[mm]**	**[mm]**	**[mm]**	**[mm]**
300848	NS 30	4540	1725	2012	780	752	822
300849	NS 40	3800	2400	2012	780	739	809

Oleocido-P

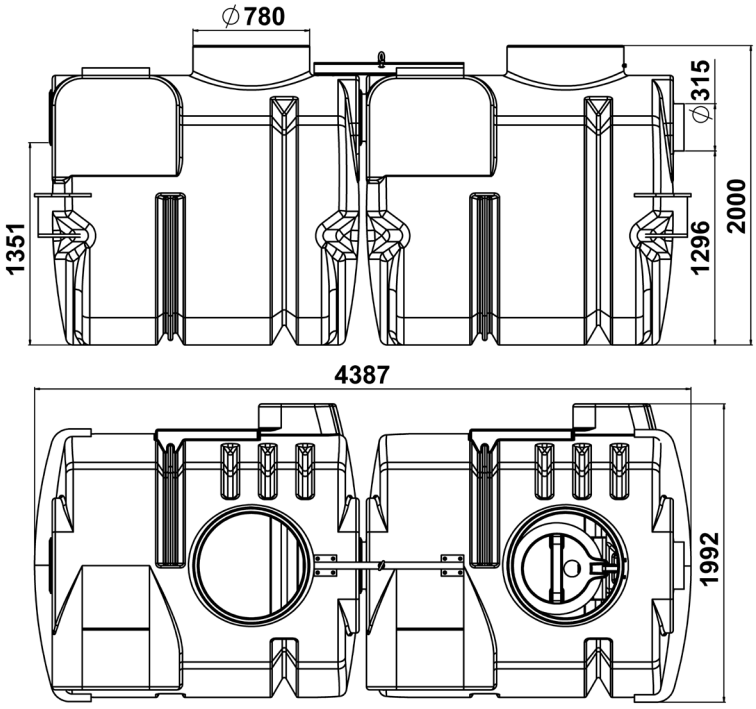
Total retention – NS 50 to NS 65

Product characteristics

- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Optional alarms

		Dimensions			
Item no.	**Nominal size**	**Inlet/outlet DN**	**Sludge trap size**	**Oil trap size**	**Total size**
		[mm]	**[l]**	**[l]**	**[l]**
300850	NS 50	315	5500	1800	8100
300851	NS 65	315	6600	1800	9600

Technical drawings



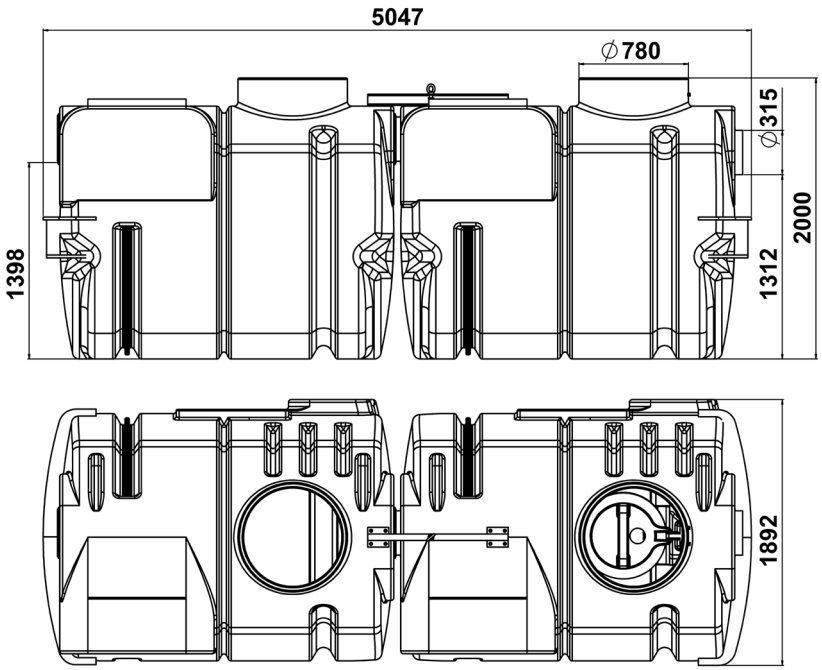
Types of applications

Washing facilities for light vehicles
- Manual car washing
- Parts washing

Washing facilities for heavy vehicles
- Washing for building vehicles, building machinery and agricultural machinery
- Lorry washing

Automatic car washes
- Automated car washing facilities with roller brushes in a tunnel
- Minimum sludge trap size of 5000 litres

NS 50



NS 65

Dimensions

Item no.	Nominal size	Length	Width	Height	Riser diameter	Inlet height	Outlet height
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
300850	NS 50	4387	1992	2000	780	649	704
300851	NS 65	5047	1892	2000	780	602	688

Oleocido-PGD

Vehicle washing facilities

Industrial water needs to be discharged as sewage.

For vehicle washing facilities, standard EN 858 and CE marking specify the size of the sludge trap, which must be able to hold at least 600 litres.

Types of applications

Minimum volume of the slider

Washing facilities for light vehicles
- Manual car washing
- Parts washing

$$\frac{200 \times NS}{f_d} = 600 \text{ litres}$$

Washing facilities for heavy vehicles
- Washing for building vehicles, building machinery and agricultural machinery
- Lorry washing

$$\frac{300 \times NS}{f_d} = 600 \text{ litres}$$

Automatic car washes
- Automated car washing facilities with roller brushes in a tunnel
- Minimum sludge trap size of 5000 litres

$$\frac{300 \times NS}{f_d} = 5000 \text{ litres}$$

f_d here is equal to 1 according to standard EN 858.

Oleocido-PGD

Petrol stations & garages

For petrol stations and garages, standard EN 858 and CE marking specify the size of the sludge trap, which must be able to hold at least 600 litres.

f_d here is equal to 1 according to standard EN 858.

Types of applications

Fuel filling, offloading and distribution stations
- Petrol stations and covered filling stations

Garage wastewater
- Auto, motorcycle and auto body mechanics

We recommend at least:
- ACO Oleocido NS 6/1200
- ACO Oleocido NS 3/600.

Les séparateurs d'hydrocarbures avec BYPASS sont interdits dans les aires de distribution de carburants

Minimum volume of the slider

$$\frac{200 \times NS}{f_d} = 600 \text{ litres}$$

Surface [m²]	Separator Size [l/s]
< à 120	1,5
De 121 à 240	3
De 241 à 480	6
De 481 à 640	10
De 801 à 1200	15
De 1200 à 1600	20

Oleocido-PGD with Large Sludge Trap

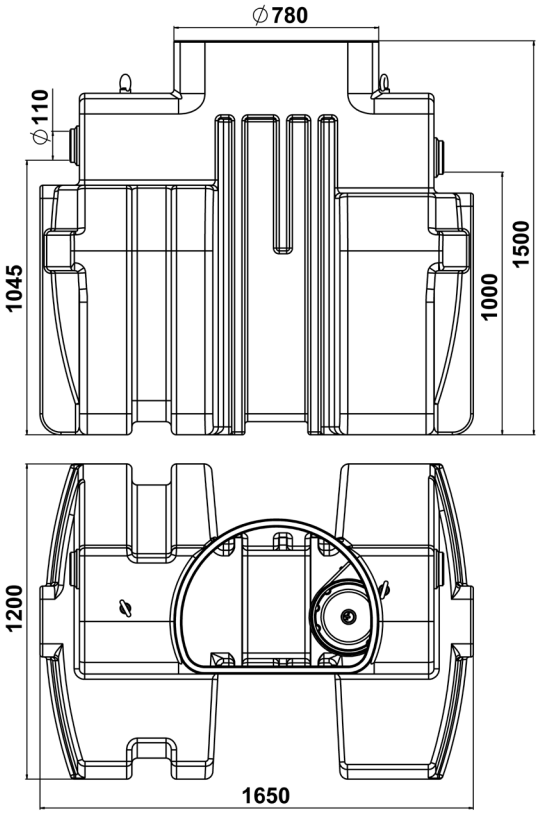
NS 3

Product characteristics

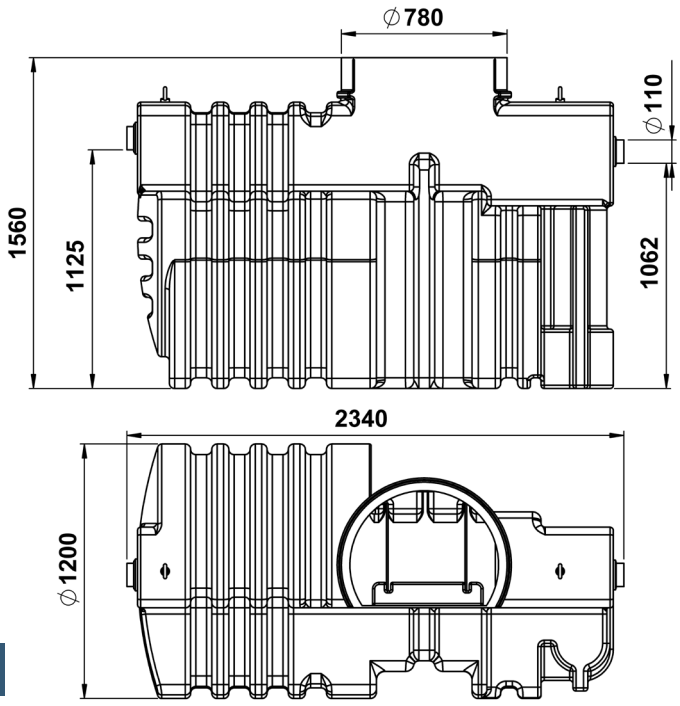
- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Optional alarms

		Dimensions			
Item no.	**Nominal size**	**Inlet/outlet DN**	**Sludge trap size**	**Oil trap size**	**Total size**
		[mm]	**[l]**	**[l]**	**[l]**
307830	NS 3/600	110	640	200	1250
307831	NS 3/900	110	920	110	1770

Technical drawings



NS 3/600



NS 3/900

Dimensions

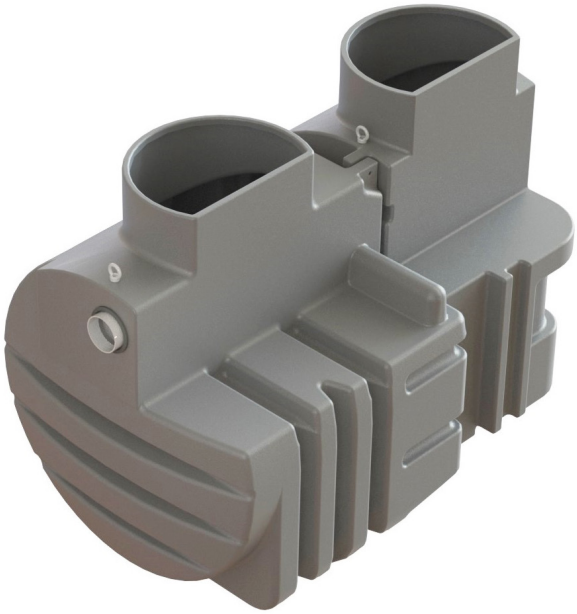
Item no.	Nominal size	Length	Width	Height	Riser diameter	Inlet height	Outlet height
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
307830	NS 3/600	1650	1200	1500	780	455	500
307831	NS 3/900	2340	1200	1660	780	535	598

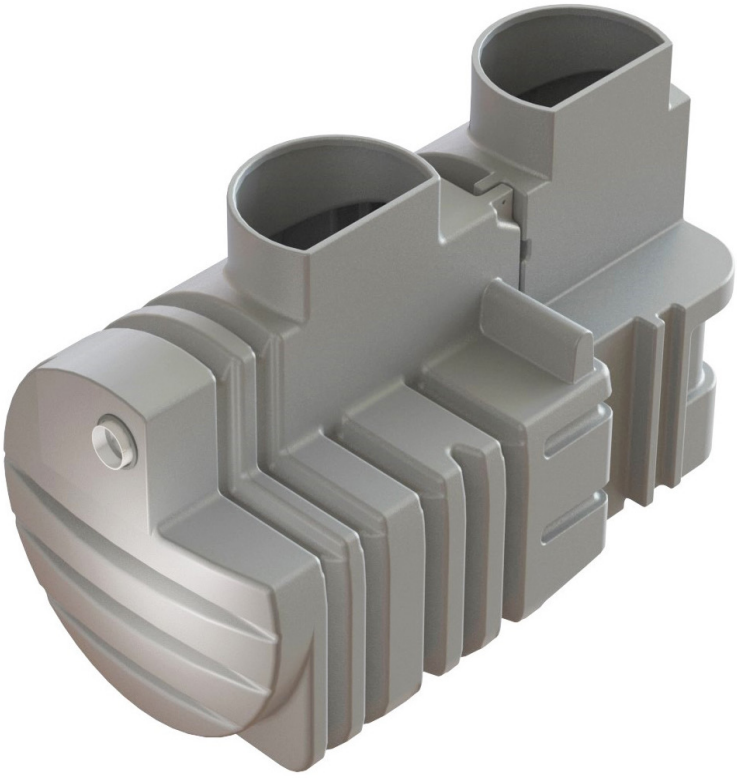
Oleocido-PGD with Large Sludge Trap

NS 6

Product characteristics

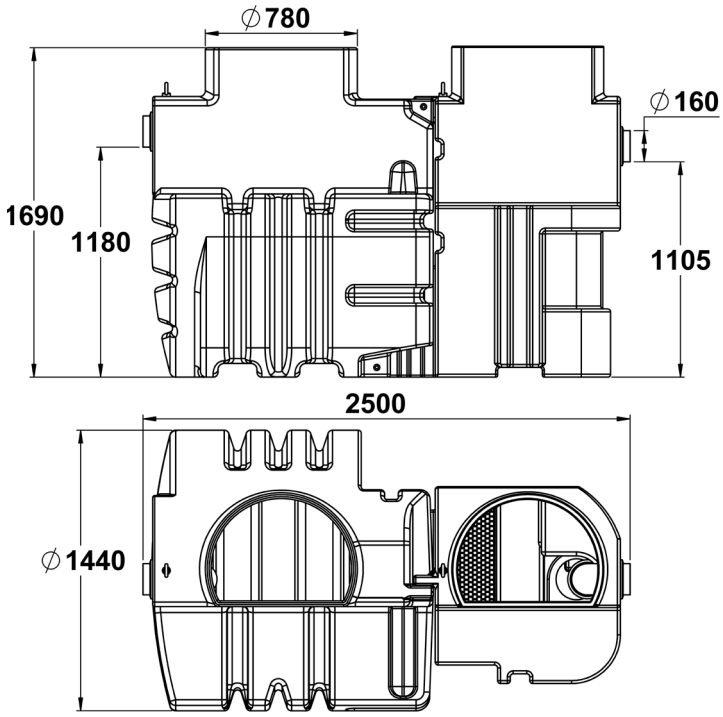
- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Optional alarms



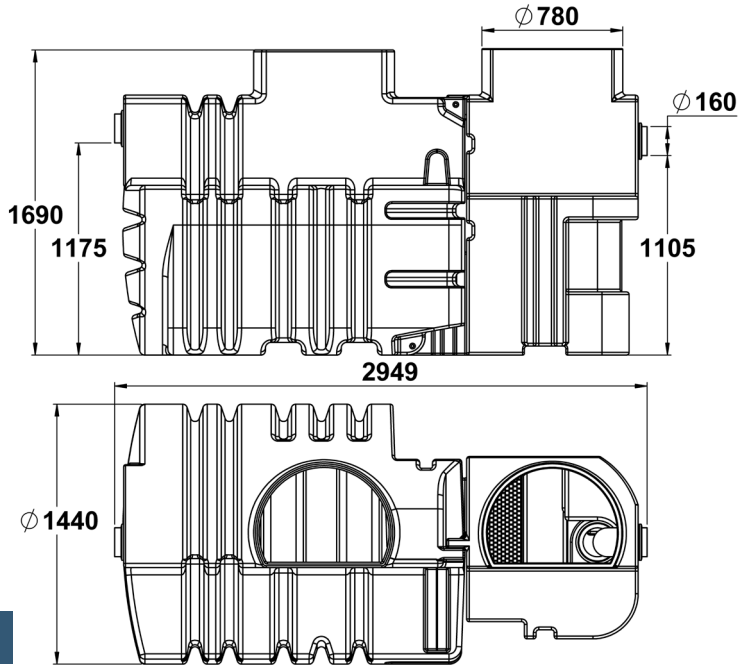


		Dimensions			
Item no.	**Nominal size**	**Inlet/outlet DN**	**Sludge trap size**	**Oil trap size**	**Total size**
		[mm]	**[l]**	**[l]**	**[l]**
307832	NS 6/1200	160	1200	100	1770
307833	NS 6/1800	160	2200	260	2880

Technical drawings



NS 6/1200



NS 6/1800

		Dimensions					
Item no.	Nominal size	Length	Width	Height	Riser diameter	Inlet height	Outlet height
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
307832	NS 6/1200	2500	1440	1690	780	510	585
307833	NS 6/1800	2949	1440	1690	780	515	585

Oleocido-PGD with Large Sludge Trap

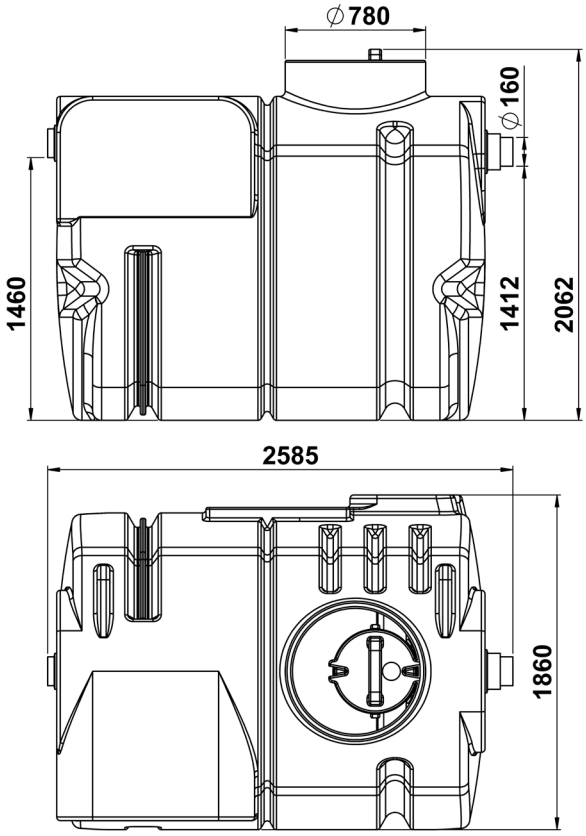
NS 10

Product characteristics

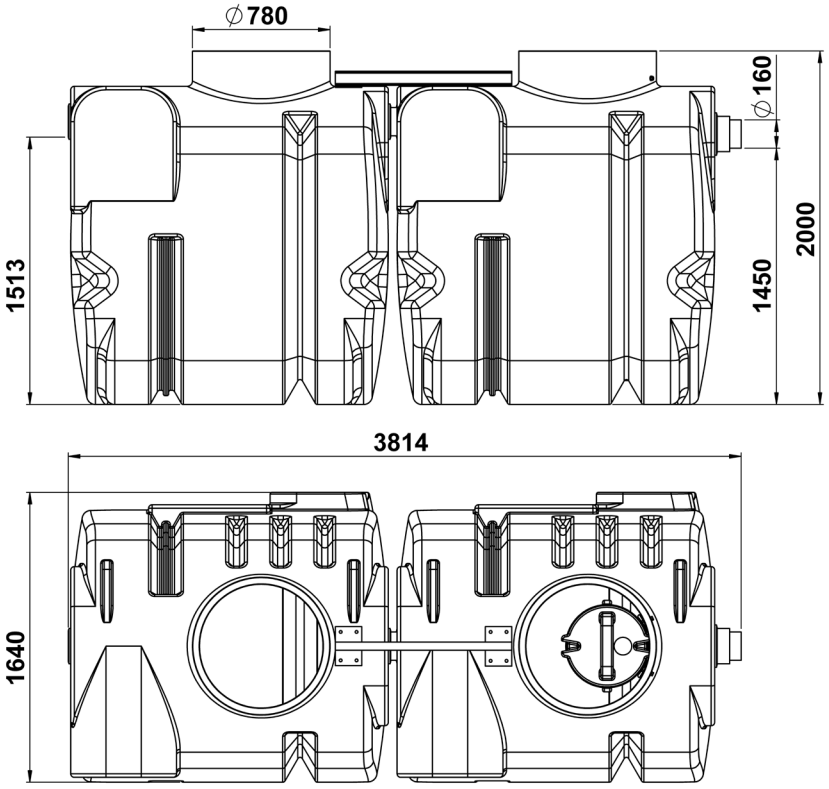
- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Optional alarms

		Dimensions			
Item no.	**Nominal size**	**Inlet/outlet DN**	**Sludge trap size**	**Oil trap size**	**Total size**
		[mm]	**[l]**	**[l]**	**[l]**
307834	NS 10/2000	160	2200	260	2880
300920	NS 10/3000	160	3240	700	4712
300923	NS 10/5000	160	5170	1060	5550

Technical drawings



NS 10/3000



NS 10/5000

Dimensions

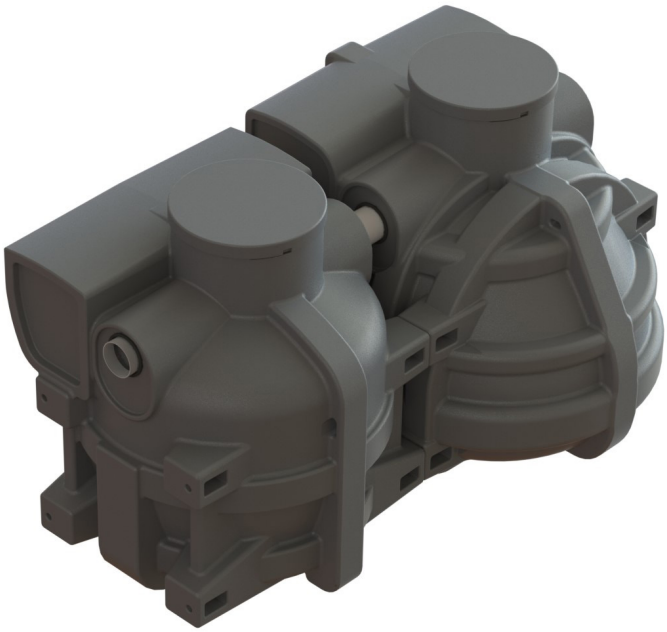
Item no.	Nominal size	Length	Width	Height	Riser diameter	Inlet height	Outlet height
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
307834	NS 10/2000	2949	1440	1690	780	515	585
300920	NS 10/3000	2654	1890	2080	780	602	650
300923	NS 10/5000	3820	1640	2000	780	487	550

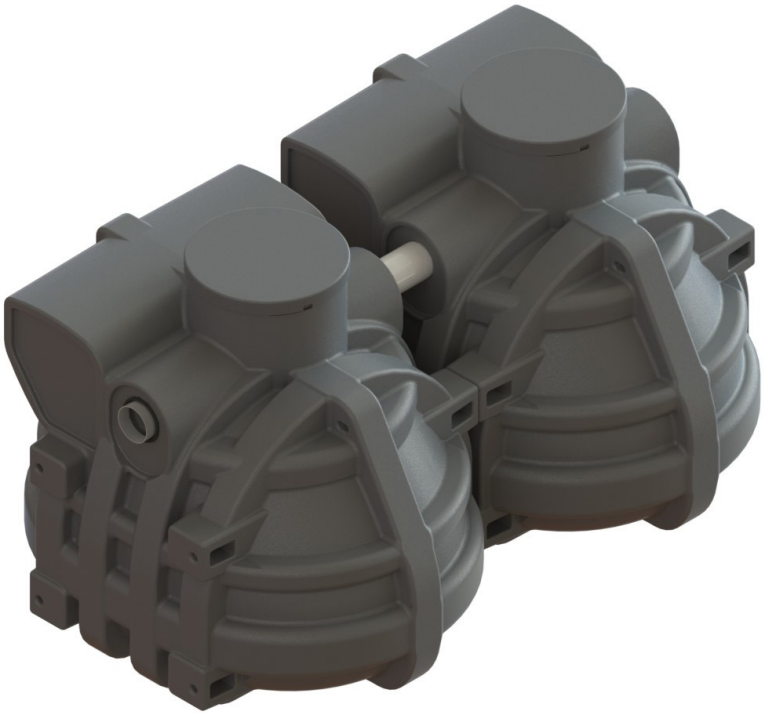
Oleocido-PGD with Large Sludge Trap

NS 20

Product characteristics

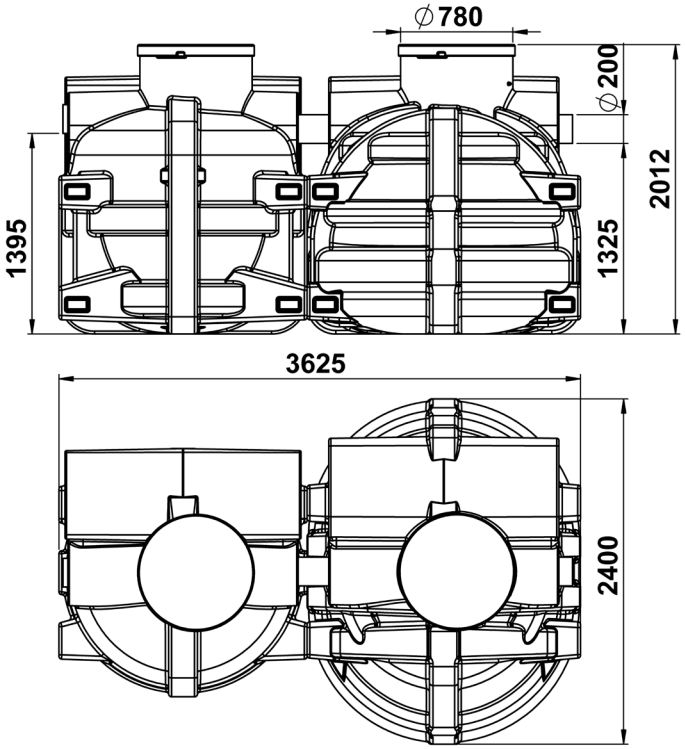
- Rotomoulded polyethylene separator
- Built-in sludge trap and coalescing filter
- Floating obturation device
- Optional alarms



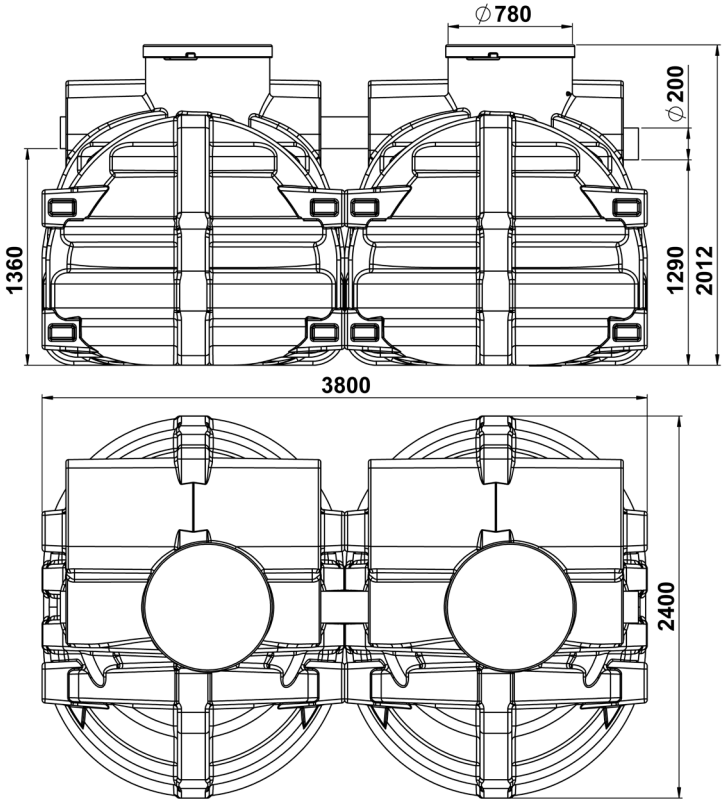


		Dimensions			
Item no.	**Nominal size**	**Inlet/outlet DN**	**Sludge trap size**	**Oil trap size**	**Total size**
		[mm]	**[l]**	**[l]**	**[l]**
300921	NS 20/4000	200	4776	1032	6220
300922	NS 20/6000	200	6006	1071	7920

Technical drawings



NS 20/4000



NS 20/6000

Dimensions

Item no.	Nominal size	Length	Width	Height	Riser diameter	Inlet height	Outlet height
		[mm]	[mm]	[mm]	[mm]	[mm]	[mm]
300921	NS 20/4000	3625	2400	2012	780	617	687
300922	NS 20/6000	3800	2400	2012	780	652	722

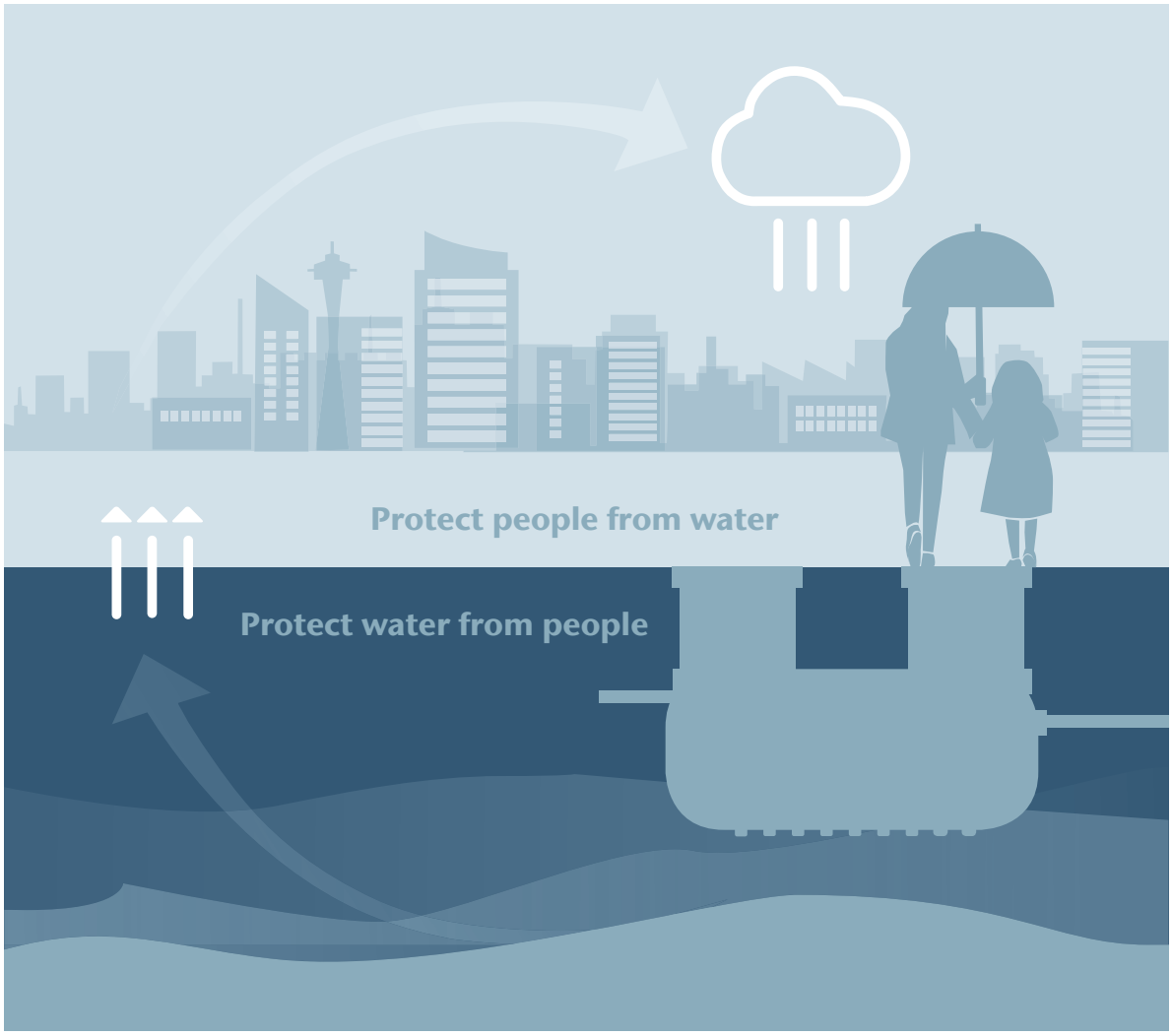
Global water cycle management

Whatever the nature of the planning project – urban, airport, road or industrial – control over the water cycle has become a major component today. Considering the water cycle before launching a project can guarantee the compatibility of infrastructure and facilities with water management objectives and regulations.

To help with your planning, ACO has solutions that:

- Provide for optimal rainwater management
- Combine effective drainage equipment with a modern design
- Simplify equipment maintenance and upkeep
- Can withstand the test of time, with shock and vandalism resistance, thanks to technical solutions and our selection of appropriate materials.

Beginning in the project design phase, ACO will identify optimal solutions for each environment: roads, car parks, HGV manoeuvring areas, locations that are open to the public, industrial parks, marketplaces, schoolyards, etc. In this way, ACO provides responses to all technical and practical constraints, in accordance with current legislation, by offering dedicated water management solutions covering water collection, treatment, retention, release and reuse.



The water cycle by ACO:
A comprehensive range adaptable to your needs

COLLECT

What are the solutions for collecting rainwater?

- Outdoor linear drainage
- Drainage for sports grounds
- Outdoor drainage gullies and grates
- Drainage for roofing and terraces
- Indoor channels and drains
- Stainless steel pipes
- Access covers
- Channels for wildlife conservation

CLEAN

What are the solutions for cleaning rainwater?

- Wall protection
- Foot scrapers
- Separators
- Skimmers

HOLD

How can you store or infiltrate collected water?

- Temporary rainwater storage
- Soil infiltration
- Backflow prevention systems
- Window wells

REUSE

What are the solutions for releasing and reusing collected water?

- Flow control
- Soil infiltration
- Lifting

A multi-material range of solutions made of polymer concrete, polyethylene, glass reinforced plastic, polypropylene or stainless steel.

COLLECT CLEAN HOLD REUSE

ACO. we care for water

Products for water cycle management

- Exterior linear drainage channels
- Drainage of sports fields
- External road drainage by point
- Drainage extérieur domestique par point
- Domestic exterior point drainage
- Shower drainage
- Hygienic channels and gullies
- Modular stainless steel channels
- Stainless steel pipes
- Closing devices
- Wildlife protection
- Wall protection
- Separators, depolluters
- Foot scrapers
- Cours anglaises complètes et courettes d'aération
- Anti-backflow systems
- Temporary storage of rainwater
- Vortex effect flow limiter solution
- Infiltration into soils
- Wastewater
- Lifting
- Reuse of gray water

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ACO. we care for water