Oil separators

1 • Standards

The production of oil separators is driven by different standards, notably the european standard NF EN 858:

• NF EN 858-1

"Principles of product design, performance and testing, marking and quality control".

• NF EN 858-2

"Separator systems for light liquids (e.g. oil and petrol)"
Part 2: "Selection of nominal size, installation, operation and maintenance."

Diagram of a complete installation

1.1 • The volume of a sludge trap according to the standard

Definition taken from the standard NF EN 858-1:

"The sludge trap is where material settles, i.e. sludge, silt and grit. It can be constructed with the separator as a combined unit. The value chosen to calculate the size of the sludge trap can vary depending on standard NF EN 858-2. Below is taken from paragraph 4.4 and its table to define it:

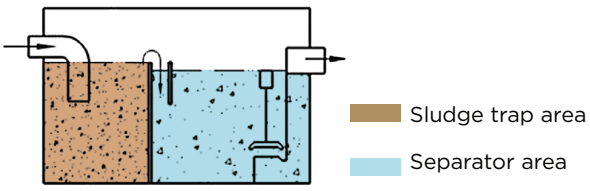
Quantity of sludge expected for, for example:		Minimum sludge trap volume
None	- condensate	No sludge trap
Low	- treating wastewater containing a low defined amount of sludge; - all rainwater collection areas where there is a small amount of silt due to traffic or similar. For example, catch basins in oil storage areas and covered filling stations.	$\frac{100 \times NS}{f_d}$ a)
Average	- filling stations, hand car wash, part washing; - bus washing areas; - wastewater from garages, car parks; - power plants, machining plants.	$\frac{200 \times NS}{f_d}$ b)
High	- washing areas for construction vehicles or machinery, farming machinery; - lorry washing areas	$\frac{300 \times NS}{f_d}$ b)
	- automatic car washes, e.g. roll-over, drive thru.	$\frac{300 \times NS}{f_d}$ c)

a) Do not use for separators equal to or under NS10, except for covered car parks.
b) Minimum sludge trap volume = 600 l.
c) Minimum sludge trap volume = 5,000 l.
NS = Nominal Size = "number approximately equivalent to the maximum effluent flow in litres per second from the separator when tested in accordance with 8.3.3." taken from the standard NF EN 858-1.

1.2 • The volume of a separator according to the standard:

Based solely on purification efficiency, standard NF EN 858-1 does not define a minimum volume for the separation chamber: "the separator is the part of the installation in which light liquid is separated from wastewater".

Outline diagram of an oil separator with a sludge trap:



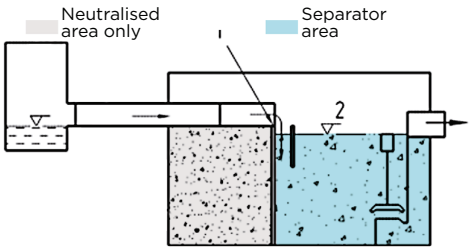
The automatic stopper prevents any accidental release of settled free oils to the downstream network.

Oil separators

To check the efficiency of an oil separator, the manufacturer must test it at a **test area based on the description in paragraph 8.3.3 of the standard NF EN 858-1**.

It must also **neutralise** the **sludge trap volume** and proceed as per the diagram opposite.
The standard underlines the fact that the "design shall also ensure that any separated and retained light liquid is not disturbed".
This is why only the volume of the separation chamber must be taken into account to classify the unit, i.e. discharge < 100 mg/l or 5 mg/l.

Outline diagram of a separator
(with single separation chamber):



1.3 • The warning device according to the standard

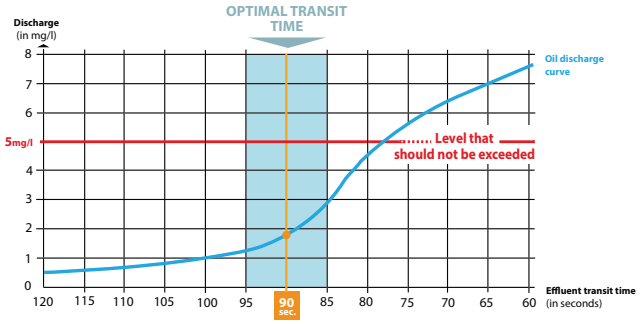
Mandatory as per the standard NF EN 858-1 § 6.5.4: "Separator systems shall be provided with automatic warning devices..."
They can detect the level of oils and/or sludge in the separator. A visual and/or audible alarm triggers when the desired level is reached.

2 • Size calculation

2.1 • Calculating the size of a separator:

For single separation chamber units, the total useful volume of the unit will be at least:

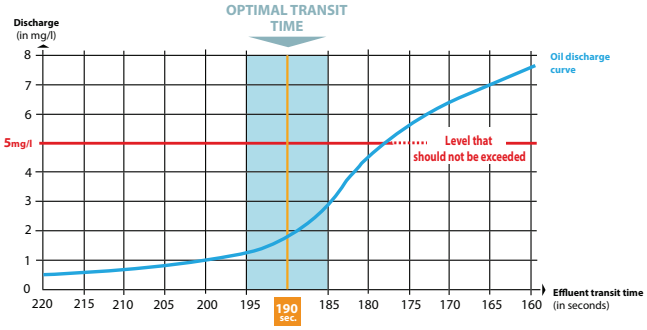
Separator useful volume =
90 sec. x NS of the unit



2.2 • Calculating the size of a combined sludge trap & separator

For this type of unit, the total useful volume will be at least:

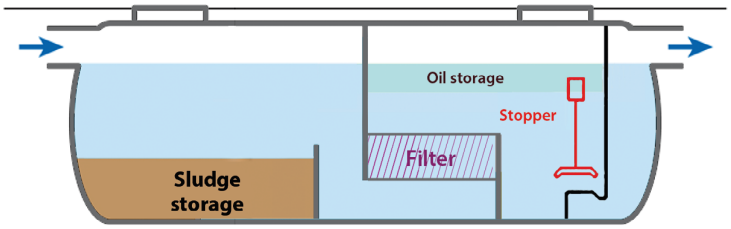
Useful volume of separator combined with a sludge trap =
190 sec. x NS of the unit



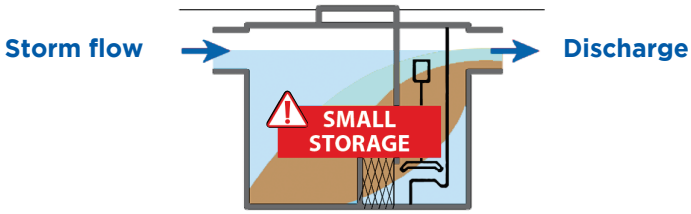
Oil separators

TECHNEAU recommends a “minimum useful volume” for optimal oil treatment and storage. For example, with a nominal size of 100 l/sec, the total minimum useful volume of the unit must be equal to:

100 l/s x **190** s = 19,000 litres **for a unit with a sludge trap**.



Below this value, the separator’s effectiveness might be called into question, as the **risk of discharge is very high**.



3. The declaration of performance (D.O.P.)

Excerpt from standard NF EN858: “The manufacturer must be able to provide, on simple request, quality control documents... from arrival of raw materials through to the final product leaving the factory”.

With an **ISO 9001:2008 quality system in place**, Techneau is able to deliver CE marking compliance certificates.

Application of CE marking has been mandatory since 1 September 2006. It is governed by appendix ZA of standard NF EN 858-1/A1 dated February 2005. The D.O.P. has been mandatory since 1 July 2013. Each product must be accompanied by its D.O.P., which also includes CE marking. The certificate of compliance must include the following elements:

Product: light liquid (e.g. oils) separation systems included within the scope of this standard.
Intended usage: separating light liquids from wastewater to protect sanitation systems and surface water.

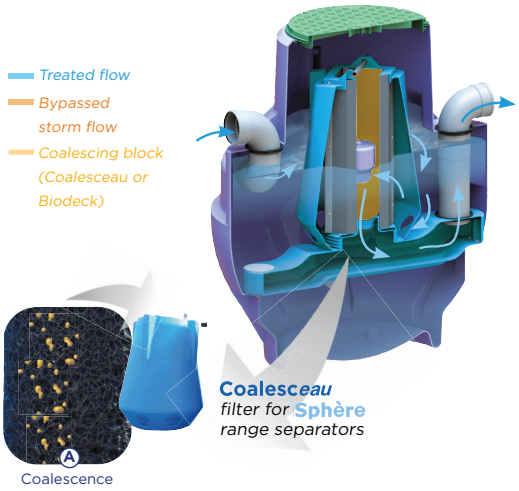
Essential characteristics	Requirement articles from this standard	Level and / or classes	Notes
Fire resistance	6.2.8	A.1 to F	-
Reaction to liquids	6.3.2	none	Yes / No
Efficacy	4, 6.3.1, 6.3.3 to 6.3.8, 6.5	Class I or II	Yes / No
Load capacity	6.4	From 1a to 1d	Yes / No
Durability	6.2	none	Yes / No

Oil separators CE

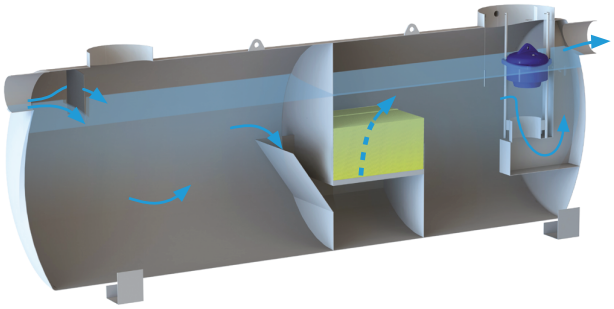
4. Operating principles

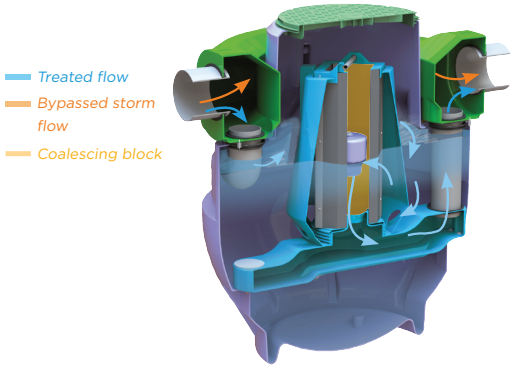
4.1 - Hydraulic flows

Outline diagrams of a standard water treatment unit:

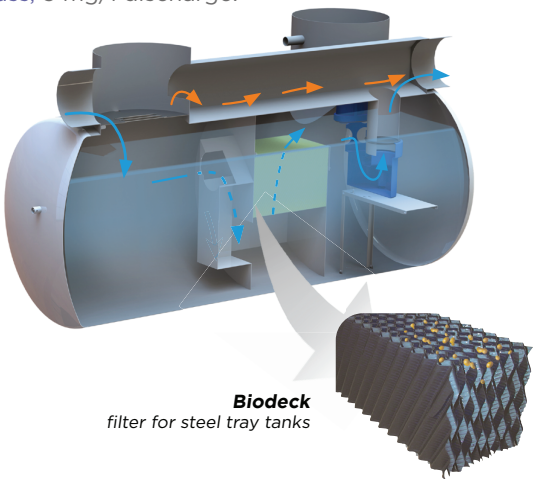


Sludge trap, oil separator with automatic stopper, 5 mg/l discharge:





Sludge trap, oil separator with automatic stopper and storm overflow bypass, 5 mg/l discharge:

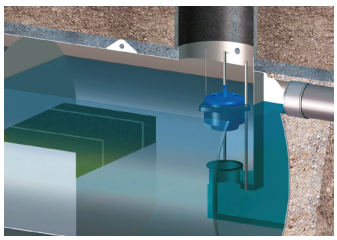


4.2 - Coalescence

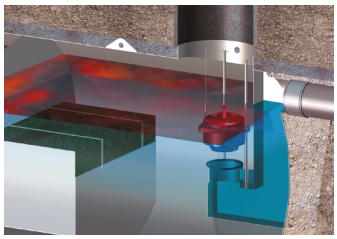
The turbulent flow brings fine suspended oil droplets together in the water and increases volume to encourage floating (see details diagram A).

4.3 - The automatic stopper

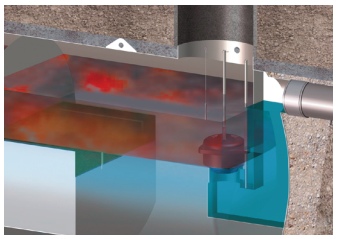
Positioned downstream from the light liquid separation chamber, it prevents any accidental discharge of settled free oils into the downstream network. It has a siphon bend combined with a float that is calibrated based on the density of the light liquids being trapped.
It works as follows: The float sinks in oils but floats in water.



Phase 1



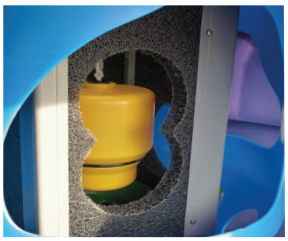
Phase 2



Phase 3

Oil separators

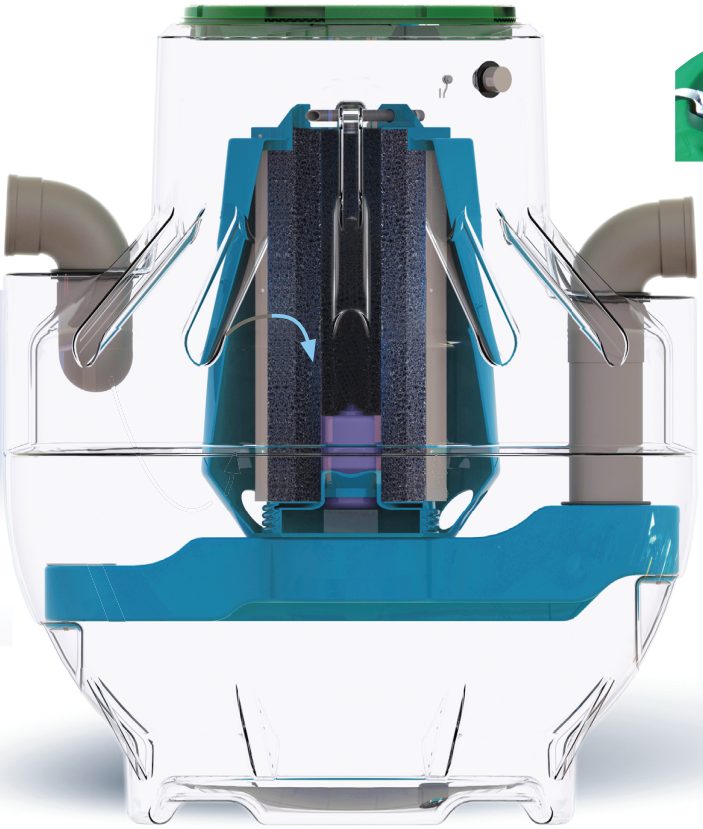
5 - Sphère Range: detail of main innovations



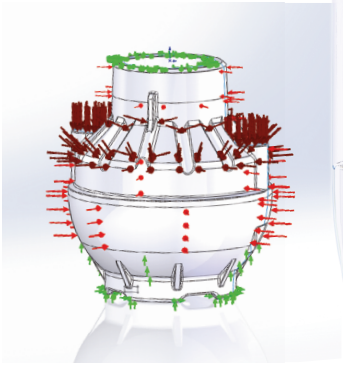
A new conical stopper

Easier access

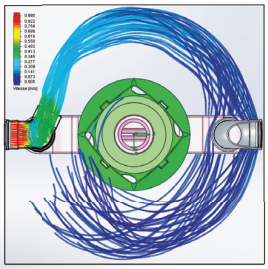
YH0506E model



A lockable cover



A new tank design



A new approach to internal flows

A new coalescing block

A central sludge silo

Oil separators

6 - Sphère Range: to avoid difficult installations conditions

The Sphère range was designed to adapt to different installation conditions encountered on site.

Type of tank	Installation in green space without concrete protection slab	
	underground water in contact with the unit	no underground water in contact with the unit
Standard model	IL: 1 m	IL: 1.50 m
Reinforced model	IL: 1.50 m	IL: 3 m

IL: inlet level

6.1 - Sphère Range: easier handling

The slots for forks at the bottom make it easier to load, unload and handle. Just one person is enough!

6.2 - Installation & maintenance: new improvement on the market

A cylindrical opening to use a standard extension in **polyethylene** or **concrete** (contact us).

The cover (supplied as standard) offers several benefits:

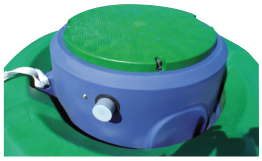
- avoids filling the unit with water during storage.
- protects all internal components during installation and backfilling.
- allows direct installation in the green space.

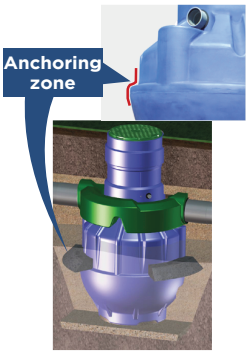
For installations in the presence of groundwater or hydromorphic ground, the tank has a central anchor to position the concrete ballast. This avoids complicated and dangerous anchoring at the bottom of an excavation.

A central sludge silo: aligned with the manhole, it makes visual inspections easier and allows complete cleaning from a single suction point.

Sphère range financial benefits:

- no load distribution slab in green spaces
- concrete ballast ring cheaper than a concrete slab at the bottom of the excavation with reinforcement and rebar for anchoring
- Up to 10 l/s = > 1 single manhole
- Reinforced model available & adjustable extensions available

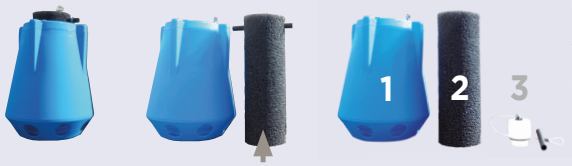




Product benefits 3in1
REMOVABLE MODULE
for oil separators

This 3in1 product, a true Techneau innovation, is completely removed from the tank to be inspected and cleaned with no risk of downstream discharge. The **Coalesceau** structure has been specifically studied to be self-supporting and resistant to cleaning with a pressure washer.

The system core is now completely independent from the tank shape.



1. sludge trap chamber
2. coalescing filter
3. automatic stopper

Coalesceau

Oil separators

1. The importance of the site when choosing a separator

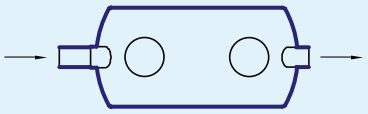
1.1 - Selection table

Site		Treatment	1.5 to 35 l/s models		36 to 500 l/s models		
			Polyethylene	Steel	Steel	Page	Polyester
Car park	*covered: gravity-fed drainage downstream from the unit*	100%	YH05 / EH05/ ADHF	YH05 / ADHF	U4	39	U6
	underground: lifting downstream from the unit	100%	EHR	YHR05	Contact our design office		
Fuel filling and distribution area		100%	YH05 / EH05/ ADHF	YH05 / ADHF	U4	39	U6
Washing area	*light vehicles*	100%	YH15 / EH15	YH15/ADHFG	U4	39	U6
	heavy vehicles	100%	YH16 / EH16	YH16/ADHFK	U4	39	U6
	construction vehicles	100%	YH17/ GDHF	YH17/ADHFM	U4	39	U6
Uncovered area		100%	YH05 / EH05/ ADHF	YH05/ADHF	U4	39	U6
		20%	YH10 / EH10/ ADHLF	YH10/ADHLF	Y1	41	W6

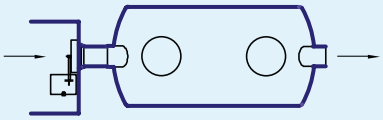
1.2 - The different configurations

100% treatment

Direct installation
on the network:

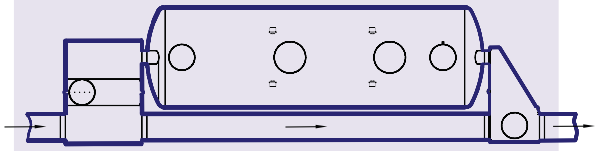


Installation after a storm basin,
with a flow rate regulator:

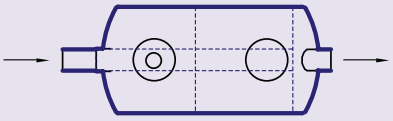


20% treatment

Installation as network bypass
with a flow rate regulation chamber:



Installation as network bypass
with the bypass integrated into the unit:



Oil separators

2. Which separator for covered parking areas?
Selection table

Example with a **sludge trap, oil separator with 5 mg/l discharge:**

			Covered car park		Underground car park	
			Gravity-fed drainage downstream from the unit		Lifting downstream from the unit	
Surface in m²	Number of spaces	Size in l/s	Polyethylene	Steel	Polyethylene	Steel
1 to 1000	1 to 30	3	YH0503E	YH0503A	YHR0503E /EHR0503C	YHR0503A
1001 to 3000	31 to 120	6	YH0506E	YH0506A	YHR0506E	YHR0506A
3001 to 4000	121 to 160	8	YH0508E	YH0508A	YHR0508E	YHR0508A
4001 to 5000	161 to 200	10	YH0510E	YH0510A	YHR0510E	YHR0510A
5001 to 8000	201 to 320	15	EH0515D	ADHF115AB	-	subject to study
8001 to 15000	321 to 600	20	EH0520D	ADHF120AB	-	subject to study

Check if the total surface area includes external access ramps.
The size of the unit will then be calculated based on the highest flow rate of the two surfaces plus the fire network (outdoor or covered).

Note that the pumps used for the lifting tank will be defined based on 4 criteria:
The flow rate, the lifting height, the length and diameter of the discharge pipe (refer to pages 33-35).

3. Which separator for fuel filling and/or distribution areas?

The size of oil separators with sludge traps is calculated based on the decree dated 15 April 2010. The nominal size of the unit is defined based on a flow rate of 45/l/h/m² for uncovered areas. A coefficient of 0.5 is applied for covered areas.

Selection table

	Covered area			Uncovered area		
Surface in m²	Size (l/s)	Polyethylene	Steel	Size (l/s)	Polyethylene	Steel
1 to 245	1.5	YH0501E	YH0501A	3	YH0503E	YH0503A
246 to 480	3	YH0503E	YH0503A	6	YH0506E	YH0506A
481 to 640	4	YH0503E	YH0504A	8	YH0508E	YH0508A
641 to 800	5	YH0506E	YH0506A	10	YH0510E	YH0510A
801 to 1000	6	YH0506E	YH0506A	12	EH0515D	ADHF115AB
1001 to 1250	8	YH0508E	YH0508A	15	EH0515D	ADHF115AB
1251 to 1650	10	YH0510E	YH0510A	20	EH0520D	ADHF120AB

For a petrol station with a car park, 2 units will need to be installed (a total treatment unit for the fuel distribution area, and another partial treatment unit for the car park).

Note that partial treatment units are prohibited there.

Oil separators

4 - Which separator for washing areas?

Excerpt from the standard NF EN 858-2 dated August 2003:

"The sizing of light liquid separators shall be based on the nature and flow rate of the liquids to be treated."

The following elements should also be taken into consideration:
- the maximum flow rate of rainwater,
- the maximum flow rate of wastewater (e.g. industrial effluent),
- the density of the light liquid,
- the presence of substances that may hinder separation (e.g. detergents).

The size of the unit is determined using the following formula:

$$NS = (Qr + (Qs \times fx)) \times fd$$

NS is the separator's nominal size,
Qr is the maximum rainwater flow rate in litres per second,
Qs is the maximum wastewater flow rate in litres per second,
fd is the density factor for the liquid in question (a factor of 1 will be used by default for a density up to 0.85. For values above this, please contact us),
fx is the impediment factor in the presence of detergents (a factor of 2 must be used as per paragraph 4.3.2.1 of the standard NF EN 858-2).

The total wastewater flow rate is the sum of the flow rates based on the formula:

$$Qs = Qs1 + QSR + Qs3 + \ldots$$

Qs1: flow rate from drawing taps,
Qs2: flow rate from automatic car washes,
Qs3: high pressure cleaning units,
... : any other flow rates.

Note that as per § 4.3.3. of standard NF EN858-2 "If a separator receives both rainwater and wastewater, e.g. in a car washing installation, and it is unlikely that the two maximum flow rates take place at the same time, the separator can be sized based on the highest flow rate", with the maximum flow rate of wastewater Qs weighted by the impediment factor fx (2).

4.1 - Automatic car washes (roll-over, drive thru)

Wastewater from **low-pressure car washes** (with backflow of 20 bar maximum), where only vehicle bodywork and chassis are cleaned, only usually contains a small amount of light liquid. A **flow rate** (**Qs2**) of **2 l/s should be used per washing unit.**

If wastewater from high-pressure automatic car washes (with backflow exceeding 20 bar) and/or if the use of additional washing procedures leads to light liquids in the wastewater, each car wash should be given a wastewater flow rate value **QSR** of 2 l/s plus a wastewater flow rate value **Qs3** of 1 l/s for each **high-pressure unit.**

Do not forget to weight the total wastewater flow rate Qs (QSR + Qs3) by the impediment value fx (=2).

Moreover, it should be noted that in this configuration, the **sludge trap volume** (extraction gutter and oil separator with sludge trap) **must be at least 5 m³.**

Oil separators

4.2 - High-pressure washing units

Regardless of the use of the water from the high-pressure unit, we must consider a **Qs3 value of 2 l/s for the wastewater flow rate**. If there is more than one high-pressure unit, we must **add 1 l/s for each unit**.
If a **high-pressure unit is associated with an automatic car wash**, we must assign a **Qs3 value of 1 l/s to this unit**.
Do not forget to weight the total wastewater flow rate Qs (=QSR + Qs3) by the impediment value fx (=2).
The total sludge trap volume (extraction gutter and oil separator sludge trap) is 0.6 m3 minimum.

4.2.1 - Selection table

	Polyethylene		Steel	
Vehicle type	**Reference**	**Size (l/s)**	**Reference**	**Size (l/s)**
	YH1506E	6	YH1506A	6
	EH1508D	8	ADHFG210A	10
Heavy vehicles	YH1604E	4	YH1604A	4
	EH1606D	6	ADHFK306A	6
Construction vehicles	YH1703E	3	YH1703A	3
	GDHF510E	10	ADHFM506A	6

Oil separators

5 - Which separator for uncovered areas - total treatment?

The ten-year peak flow rate depends on the surface area to be treated and the local rainfall zone **(ZONE 1, 2 or 3)**.
For surfaces < 10,000 m², the calculation method as per the standard NF EN 752-4 is as follows:

$$Q_{10} = Q_T = \blacktriangle \times I \times A$$

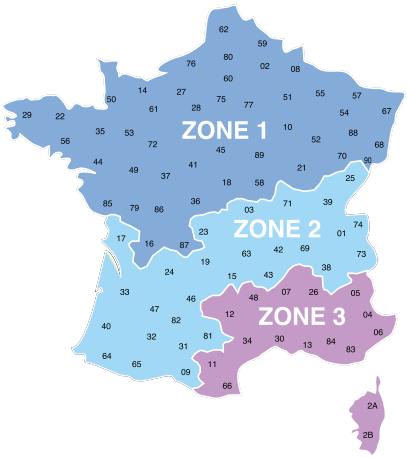
Q_{10}: Ten-year peak flow rate (litres/second)

Q_T: Treatment flow rate (litres/second)

▲: Run-off coefficient
(depending on type of surface: 0.9 for concrete or asphalt)

I: Rainfall intensity
(litres/second/hectare) based on 3 geographic areas
(as ten-year flow rate):
Example in France :
ZONE 1 (oceanic climate): 300 l/s/ha
ZONE 2 (continental climate): 400 l/s/ha
ZONE 3 (Mediterranean climate): 500 l/s/ha

A: Uncovered area (hectares)



Selection table for units without bypass

100 % treatment of the incoming flow

ZONE 1	ZONE 2	ZONE 3	Size (l/s)	Polyethylene	Steel	Polyester
< 56 m²	< 42 m²	< 34 m²	1.5	YH0501E	YH0501A	-
< 112 m²	< 84 m²	< 67 m²	3	YH0503E	YH0503A	-
< 223 m²	< 167 m²	< 134 m²	6	YH0506E	YH0506A	-
< 297 m²	< 223 m²	< 178 m²	8	YH0508E	YH0508A	-
< 371 m²	< 278 m²	< 223 m²	10	YH0510E	YH0510A	-
< 556 m²	< 417 m²	< 334 m²	15	EH0515D	ADHF115AB	-
< 741 m²	< 556 m²	< 445 m²	20	EH0520D	ADHF120AB	U6ACA2P
< 926 m²	< 695 m²	< 556 m²	25	ADHF125E	ADHF125AB	U6ACF2P
< 1,112 m²	< 834 m²	< 667 m²	30	ADHF130E	ADHF130AB	U6ADA2P
< 1,297 m²	< 973 m²	< 778 m²	35	-	ADHF135AB	U6ADF3P
< 1,482 m²	< 1,112 m²	< 889 m²	40	-	U4AEA3A	U6AEA3P
< 1,667 m²	< 1,250 m²	< 1,000 m²	45	-	U4AEF3A	U6AEF3P
< 1,852 m²	< 1,389 m²	< 1,112 m²	50	-	U4AFA3A	U6AFA3P

Oil separators

6 - Which separator for uncovered areas - partial treatment?

The ten-year peak flow rate depends on the surface area to be treated and the local rainfall zone **(ZONE 1, 2 or 3)**.
For surfaces < 10,000 m², the calculation method as per the standard NF EN 752-4 is as follows:

Q_{10} = ◢ x I x A

Q_T = ↕0% Q_{10}

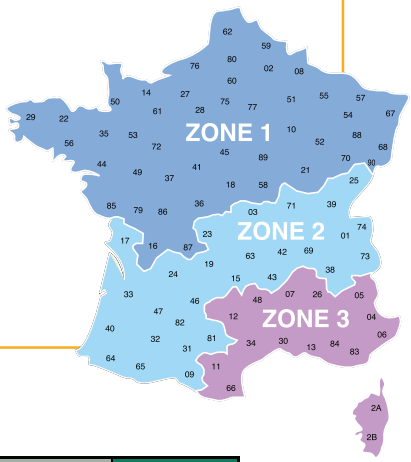
Q_{10}: Ten-year peak flow rate (litres/second)

Q_T: Treatment flow rate (litres/second)

◢: Run-off coefficient
(depending on type of surface: 0.9 for concrete or asphalt)

I: Rainfall intensity
(litres/second/hectare) based on 3 geographic areas
(as ten-year flow rate):
Example in France :
ZONE 1 (oceanic climate): 300 l/s/ha
ZONE 2 (continental climate): 400 l/s/ha
ZONE 3 (Mediterranean climate): 500 l/s/ha

A: Uncovered area (hectares)



Selection table for units with bypass

20% treatment of the incoming flow

ZONE 1	ZONE 2	ZONE 3	Size (l/s)	Polyethylene	Steel	Polyester
< 278 m²	< 209 m²	< 167 m²	1.5	YH1001E	YH1001A	-
< 556 m²	< 417 m²	< 334 m²	3	YH1003E	YH1003A	-
< 1,112 m²	< 834 m²	< 667 m²	6	YH1006E	YH1006A	-
< 1,482 m²	< 1,112 m²	< 889 m²	8	YH1008E	YH1008A	-
< 1,852 m²	< 1,389 m²	< 1,112 m²	10	YH1010E	YH1010A	-
< 2,778 m²	< 2,084 m²	< 1,667 m²	15	EH1015D	ADHLF115AB	-
< 3,704 m²	< 2,778 m²	< 2,223 m²	20	EH1020D	ADHLF120AB	W6ACA3P
< 4,630 m²	< 3,473 m²	< 2,778 m²	25	ADHLF125E	ADHLF125AB	W6ACF4P
< 5,556 m²	< 4,167 m²	< 3,334 m²	30	ADHLF130E	ADHLF130AB	W6ADA4P
< 6,482 m²	< 4,862 m²	< 3,889 m²	35	-	ADHLF135AB	W6ADF4P
< 7,408 m²	< 5,556 m²	< 4,445 m²	40	-	Y1AEA4A	W6AEA4P
< 8,334 m²	< 6,250 m²	< 5,000 m²	45	-	Y1AEF4A	W6AEF4P
< 9,260 m²	< 6,945 m²	< 5,556 m²	50	-	Y1AFA5A	W6AFA5P

Oil separators

with sludge trap & coalescing filter

- 100% recyclable rotomoulded polyethylene tank with lifting rings and manhole(s).
- Vertical automatic stopper in polyethylene calibrated to 0.85.

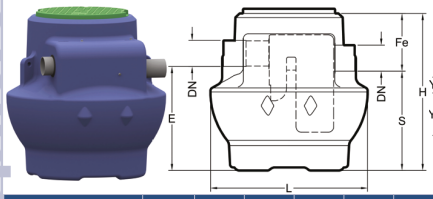
Sphère range:
- PVC inlet and outlet.
- Light cover (pedestrian traffic) with locking screw.
- Conical partition.
- Fully removable coalescing filter.
- Available as reinforced model (depending on installation limitations).

Ellipse range:
- Inlet and outlet with nitrile seals.
- Polyethylene partition with filter holder and removable coalescing filter.

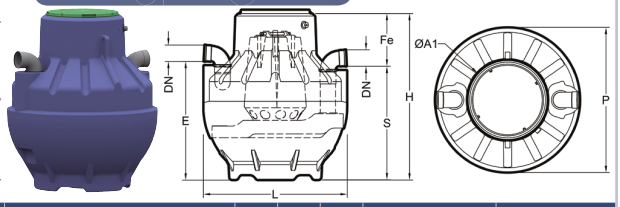
Aronde range:
- PVC inlet and outlet.
- Polyethylene partition with filter holder and removable coalescing filter.

Sphère

Ref. YH0501E and YH0503E

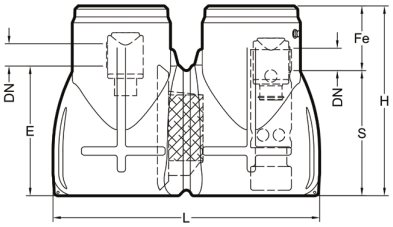


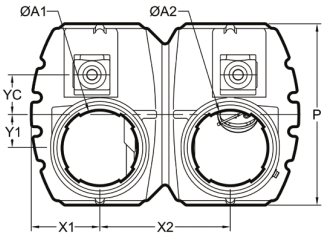
Ref. YH0506E, YH0508E and YH05010E



YH05 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	Y1	YC	"Fixed" extension option	"Adjustable" extension option
										Sludge trap	Separator					
YH0501E	1.5	1000	1000	1000	669	639	361	110	37	150	190	585	100	270	PLA13555G PLA13556G	-
YH0503E	3	1200	1200	1230	840	800	430	110	40	300	359	585	-	-	PLA13555G PLA13556G	-
YH0506E	6	1500	1500	1700	1200	1150	550	160	88	600	900	745	-	-	-	ETR47EF ETR65EF
YH0508E	8	1550	1550	1700	1200	1150	550	160	88	800	720	745	-	-	-	
YH0510E	10	1500	1500	1965	1450	1400	565	160	114	1000	940	745	-	-	-	

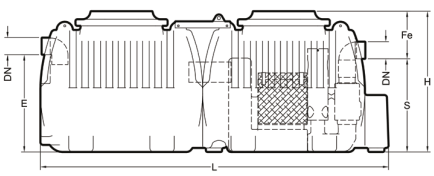
Ellipse

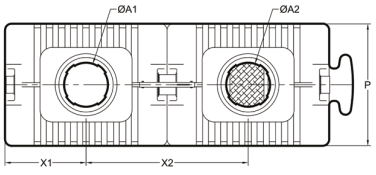




EH05 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	1	X2	Y1	YC	"Adjustable" extension option
										sludge trap	Separator							
EH0515D	15	2400	1624	1700	1160	1120	580	200	229	1500	1730	745	745	615	1170	300	355	ETR47EF
EH0520D	20	2400	1624	2072	1532	1492	580	200	257	2000	2060	745	745	615	1170	300	355	ETR65EF

Aronde





ADHFE range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2	"Adjustable" extension option
										sludge trap	Separator					
ADHF125E	25	4292	1500	1730	1200	1150	580	200	312	2500	3700	745	745	1000	2000	ETR47EF ETR65EF
ADHF130E	30	4300	1555	1730	1200	1150	580	200	317	3000	3200	745	745	1000	2000	

Options

	Sphère	Ellipse	Aronde
1. Visual and audible alarm p. 70-71	X	X	X
2. Cylindrical polyethylene extension p.70	X	X	X

Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators

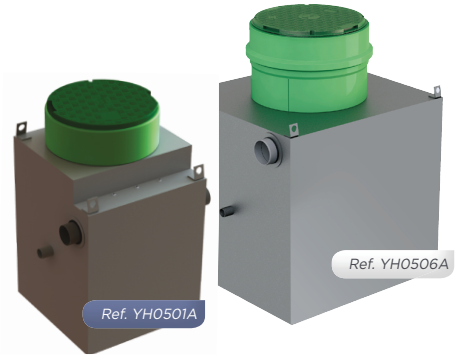
with sludge trap & coalescing filter

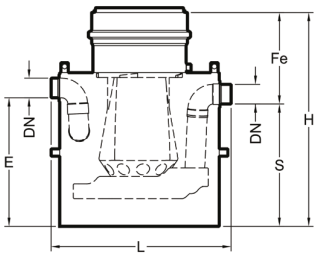
- Tank in fabricated steel with lifting rings.
- Epoxy bi-component coating.
- PVC inlet and outlet.
- Vertical automatic stopper in polyethylene calibrated to 0.85.

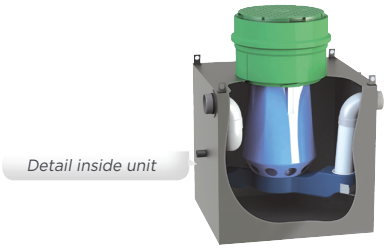
Hydrocube range:
- Light cover (pedestrian traffic) with locking screw.
- Conical partition.
- Fully removable coalescing filter.
- Available as reinforced model (depending on installation limitations).

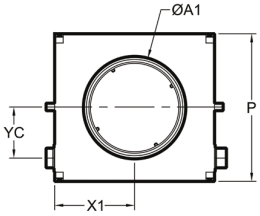
HydroBac range:
- Cylindrical manholes without cover.
- Removable coalescing filter.

HydroCube



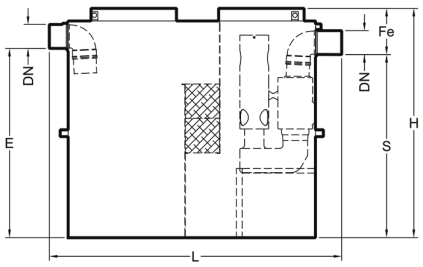


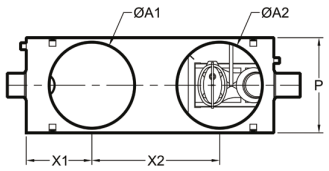




YH05A range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	X1	YC	"Fixed" extension option	"Adjustable" extension option
										sludge trap	Separator					
YH0501A	1.5	900	745	1200	660	630	570	110	110	150	200	585	373	253	PLA13555G	-
YH0503A	3	1125	995	1200	790	750	450	110	151	300	442	585	498	300	PLA13556G	-
YH0506A	6	1470	1200	1740	1050	1000	740	160	247	600	960	745	650	410	-	ETR47EF ETR65EF
YH0508A	8	1525	1200	1990	1270	1220	770	160	353	800	970	745	650	410	-	
YH0510A	10	1525	1200	1990	1270	1220	770	160	360	1000	1000	745	650	410	-	

HydroBac





ADHFAB range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2
										sludge trap	Separator				
ADHF115AB	15	2285	830	2000	1660	1610	390	200	561	1500	1350	750	750	575	1120
ADHF120AB	20	3220	830	2000	1550	1500	500	200	664	2000	1800	750	750	1075	1350
ADHF125AB	25	2920	1200	1920	1470	1420	500	200	805	2500	2270	750	750	430	1770
ADHF130AB	30	3520	1200	1920	1470	1420	500	200	938	3000	2794	750	750	430	2220
ADHF135AB	35	4230	1200	2110	1470	1420	690	315	1180	3500	3316	750	950	480	2670

Options

	HydroCube	Hydrobac
1. Visual and audible alarm p. 70-71	X	X
2. Cylindrical polyethylene extension p.70	X	

Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators

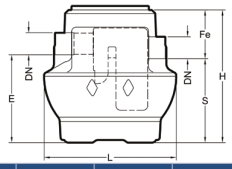
with sludge trap, coalescing filter & bypass

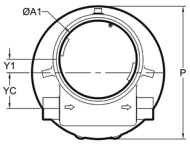
- 100% recyclable rotomoulded polyethylene tank with lifting rings and manhole(s).
- Vertical automatic stopper in polyethylene calibrated to 0.85.
- Inlet and outlet with nitrile seals (except YH1001E which has a PVC inlet and outlet).
- Inlet withoverflow level and siphon partition to supply the bypass.

Sphère range:
- Light cover (pedestrian traffic) with locking screw.
- Conical partition.
- Fully removable coalescing filter.
- Available as reinforced model (depending on installation limitations).

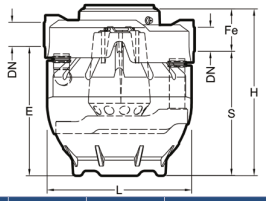
Ellipse and Aronde range:
- Polyethylene partition with filter holder and removable coalescing filter.

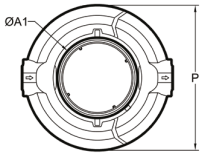
Sphère





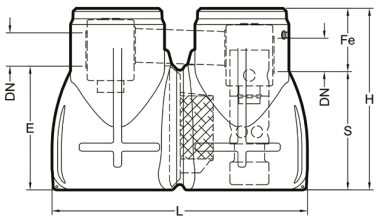
YH10 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	Y1	YC	"Fixed" extension option
										sludge trap	Separator				
YH1001E	1.5	1000	1000	1000	665	635	365	160	38	150	190	585	100	270	PLA13555G PLA13556G

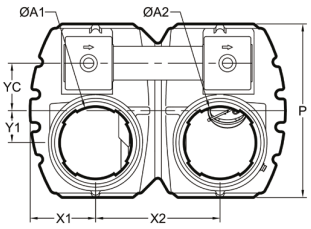




YH10 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	"Fixed" extension option	"Adjustable" extension option
										sludge trap	Separator			
YH1003E	3	1200	1200	1230	880	840	390	200	54	300	359	585	PLA13555G PLA13556G	-
YH1006E	6	1500	1500	1700	1330	1280	420	250	117	600	900	745	-	ETR47EF ETR65EF
YH1008E	8	1550	1550	1700	1260	1210	490	315	117	800	720	745	-	
YH1010E	10	1500	1500	1965	1500	1450	515	315	145	1000	940	745	-	

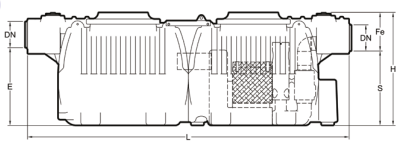
Ellipse



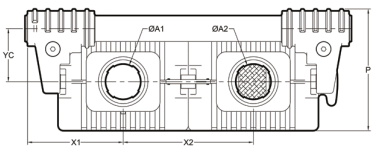


EH10 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2	Y1	YC	"Adjustable" extension option
										sludge trap	Separator							
EH1015D	15	2400	1624	1700	1190	1140	560	315	241	1500	1680	745	745	615	1170	300	355	ETR47EF
EH1020D	20	2400	1624	2072	1513	1463	609	400	278	2000	2040	745	745	615	1170	300	355	ETR65EF

Aronde



PVC vent



ADHLFE range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2	YC	"Adjustable" extension option
										sludge trap	Separator						
ADHLF125E	25	4300	1555	1730	1080	980	750	400	336	2500	2700	745	745	1000	2000	555	ETR47EF
ADHLF130E	30	4960	1880	1730	1200	1150	580	400	356	3000	3200	745	745	1470	2000	815	ETR65EF

Options

	Sphère	Ellipse	Aronde
1. Visual and audible alarm p. 70-71	X	X	X
2. Cylindrical polyethylene extension p.70	X	X	X

Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators

with sludge trap, coalescing filter & bypass

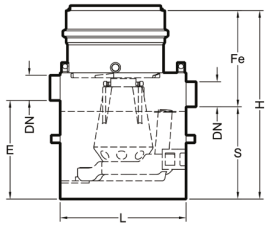
- Tank in fabricated steel with lifting rings.
- Epoxy resin/polyamide adduct-based bi-component coating.
- Inlet aerator.
- Steel inlet and outlet.
- Vertical automatic stopper in polyethylene calibrated to 0.85.
- Inlet with overflow level and siphon partition to supply the bypass.

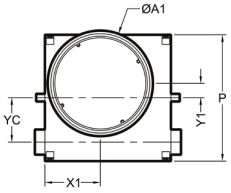
Hydrocube range:
- Light cover (pedestrian traffic) with locking screw.
- Fully removable coalescing filter (CCF) conical partition module.
- Available as reinforced model (depending on installation limitations).

HydroBac range:
- Cylindrical manholes without cover. Removable coalescing filter.

HydroCube

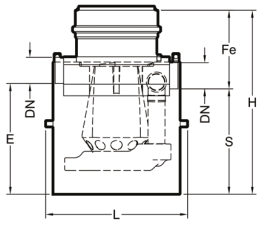
Ref. YH1003A

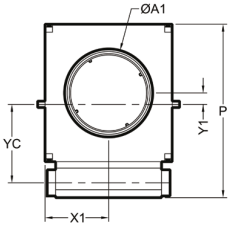




YH10A range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	X1	Y1	YC	"Fixed" extension option	"Adjustable" extension option
										sludge trap	Separator						
YH1001A	1.5	915	745	1200	660	632	568	160	112	150	200	585	373	70	245	PLA13555G PLA13556G	-
YH1003A	3	1155	995	1485	780	730	755	200	165	300	432	745	438	115	348	-	ETR47EF ETR65EF

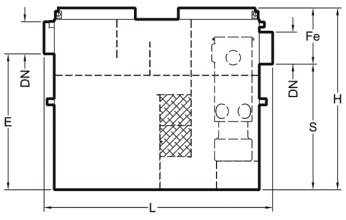
Ref. YH1006A

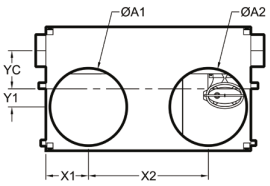




YH10A range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	X1	Y1	YC	"Adjustable" extension option
										sludge trap	Separator					
YH1006A	6	1340	1640	1740	1050	1000	740	250	274	600	960	745	600	170	680	ETR47EF ETR65EF
YH1008A	8	1340	1660	1989	1270	1220	770	315	389	800	880	745	600	180	670	
YH1010A	10	1350	1660	1989	1270	1220	770	315	394	1000	900	745	600	180	670	

HydroBac





ADHLFAB range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2	Y1	YC
										sludge trap	Separator						
ADHLF112AB	12	1930	1300	1650	1150	1050	600	315	580	1200	1120	750	750	400	900	200	480
ADHLF115AB	15	2230	1200	1760	1320	1220	540	315	665	1500	1430	750	750	415	1170	175	370
ADHLF120AB	20	2730	1250	1910	1320	1220	690	400	787	2000	1965	750	750	415	1670	200	395
ADHLF125AB	25	3030	1200	2110	1520	1420	690	400	880	2500	2270	750	750	395	2010	205	385
ADHLF130AB	30	3630	1200	2110	1520	1420	690	400	1030	3000	2790	750	750	395	2610	205	385
ADHLF135AB	35	4230	1250	2110	1520	1420	690	400	1217	3500	3310	750	950	415	3090	200	410

Options

	HydroCube	Hydrobac
1. Visual and audible alarm p. 70-71	X	X
2. Cylindrical polyethylene extension p.70	X	

Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators

with large sludge trap & coalescing filter

- 100% recyclable rotomoulded polyethylene tank with lifting rings and manhole(s).
- Vertical automatic stopper in polyethylene calibrated to 0.85.

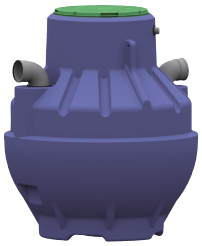
Sphère range:
- PVC inlet and outlet.
- Light cover (pedestrian traffic) with locking screw.
- Conical partition.
- Fully removable coalescing filter.
- Available as reinforced model (depending on installation limitations).

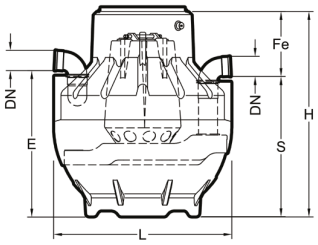
Ellipse range:
- Inlet and outlet with nitrile seals.
- Polyethylene partition with filter holder and removable coalescing filter.

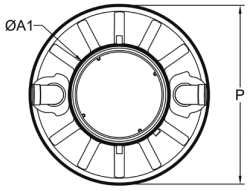
Aronde range:
- PVC inlet and outlet.
- Polyethylene partition with filter holder and removable coalescing filter.

Sphère

Washing area special for units whose size is 4 l/s or larger

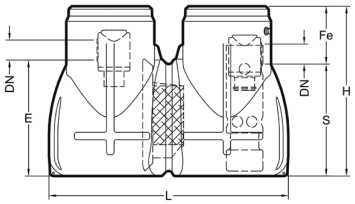


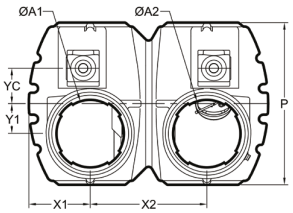




YH15 YH16 YH17 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	"Fixed" extension option	"Adjustable" extension option
										sludge trap	Separator			
YH1502E	2	1200	1200	1230	840	800	430	110	40	400	259	585	PLA13555G PLA13556G	-
YH1703E	3	1500	1500	1700	1200	1150	550	110	86	1290	270	745	-	ETR47EF ETR65EF
YH1604E	4	1550	1550	1700	1200	1150	550	110	86	1200	360	745	-	
YH1506E	6	1500	1500	1965	1450	1400	565	160	114	1200	740	745	-	

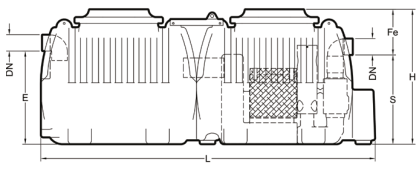
Ellipse

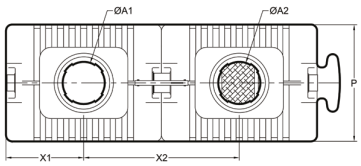




EH15 EH16 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2	Y1	YC	"Adjustable" extension option
										sludge trap	Separator							
EH1606D	6	2400	1624	1700	1180	1140	560	160	229	1520	1740	745	745	615	1170	300	355	ETR47EF
EH1508D	8	2400	1624	2072	1552	1512	560	160	258	1900	2190	745	745	615	1170	300	355	ETR65EF

Aronde





AGDHFE range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2	"Adjustable" extension option
										sludge trap	Separator					
AGDHF510E	10	4292	1500	1730	1200	1150	580	160	296	5000	1200	745	745	1000	2000	ETR47EF ETR65EF

Options

	Sphère	Ellipse	Aronde
1. Visual and audible alarm p. 70-71	X	X	X
2. Cylindrical polyethylene extension p.70	X	X	X

Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators CE

with large sludge trap & coalescing filter

- Tank in fabricated steel with lifting rings.
- Epoxy bi-component coating
- Inlet aerator.
- PVC inlet and outlet.
- Vertical automatic stopper in polyethylene calibrated to 0.85.

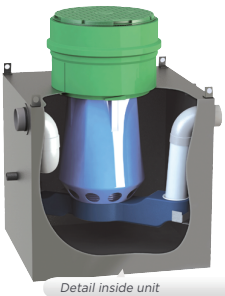
Hydrocube range:
- Light cover (pedestrian traffic) with locking screw.
- Fully removable coalescing filter (CCF) conical partition module.
- Available as reinforced model (depending on installation limitations).

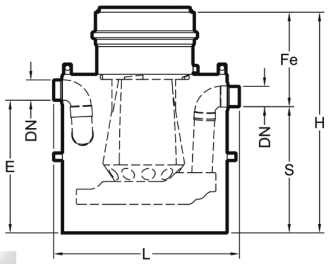
HydroBac range:
- Cylindrical manholes without cover.
- Removable coalescing filter.

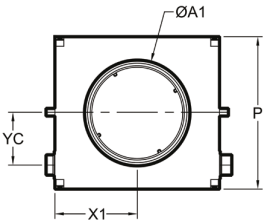
HydroCube

Washing area special for units whose size is 4 l/s or larger

Ref. YH1502A


Detail inside unit

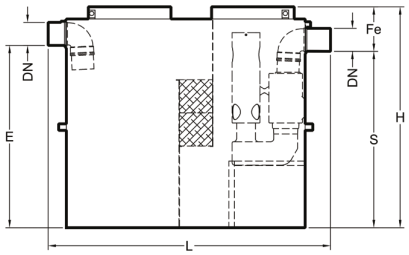


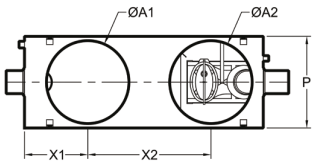


YH15A YH16A YH17A range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	X1	YC	"Fixed" extension option	"Adjustable" extension option
										sludge trap	Separator					
YH1502A	2	1125	995	1200	790	750	450	110	151	400	442	585	498	298	PLA13555G PLA13556G	-
YH1703A	3	1495	1200	1740	1050	1000	740	110	247	1200	270	745	650	410	-	ETR47EF ETR65EF
YH1604A	4	1495	1200	1740	1050	1000	740	110	247	1200	360	745	650	410	-	
YH1506A	6	1525	1200	1990	1270	1220	770	160	353	1200	800	745	650	410	-	

HydroBac

Washing area special





ADHFK ADHFM ADHFG range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2
										sludge trap	Separator				
ADHFK306A	6	2150	830	1900	1550	1500	400	160	496	1800	690	580	580	325	1370
ADHFM506A	6	2650	830	2200	1850	1800	400	160	612	3000	480	580	580	825	1370
ADHFG210A	10	2450	1040	1900	1550	1500	400	160	454	2000	800	780	780	660	1200

Options

	HydroCube	Hydrobac
1. Visual and audible alarm p. 70-71	X	X
2. Cylindrical polyethylene extension p.70	X	

Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators

with coalescing filter

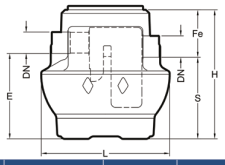
- 100% recyclable rotomoulded polyethylene tank with lifting rings and manhole(s).
- Vertical automatic stopper in polyethylene calibrated to 0.85.

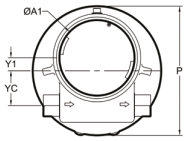
Sphère range:
- PVC inlet and outlet.
- Light cover (pedestrian traffic) with locking screw.
- Conical partition.
- Fully removable coalescing filter.
- Available as reinforced model (depending on installation limitations).

Ellipse range:
- Inlet and outlet with nitrile seals.
- Polyethylene partition with filter holder and removable coalescing filter.

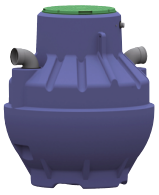
Aronde range:
- PVC inlet and outlet.
- Polyethylene partition with filter holder and removable coalescing filter.

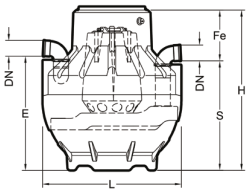
Sphère

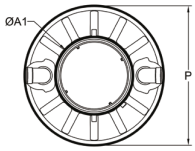




YH20 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Separator Volume	ØA1	Y1	YC	"Fixed" extension option
YH2003E	3	1000	1000	1000	670	640	360	110	37	340	585	100	270	PLA13555G PLA13556G

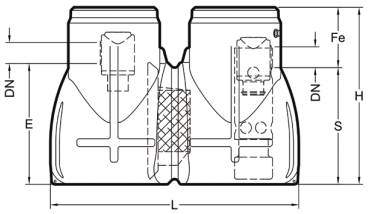


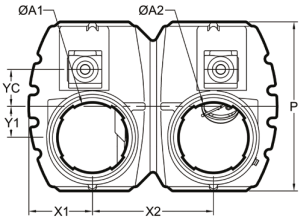




YH20 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Separator Volume	ØA1	"Adjustable" extension option	
YH2010E	10	1500	1500	1700	1200	1150	550	160	88	1520	745	ETR47EF	ETR65EF

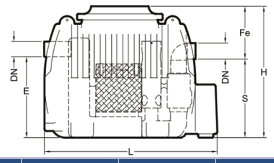
Ellipse

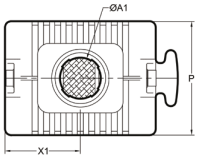




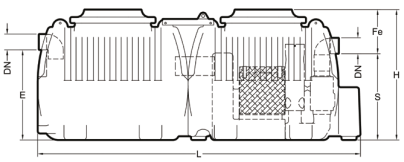
EH20 range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Separator Volume	ØA1	ØA2	X1	X2	Y1	YC	"Adjustable" extension option	
EH2020D	20	2400	1624	1700	1160	1120	580	200	229	2900	745	745	615	1170	300	355	ETR47EF	ETR65EF

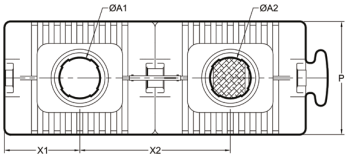
Aronde





AHFE range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Separator Volume	ØA1	X1	"Adjustable" extension option	
AHFE130E	30	2295	1500	1730	1085	1065	665	200	187	3100	745	1000	ETR47EF	ETR65EF





AHFE range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Separator Volume	ØA1	ØA2	X1	X2	"Adjustable" extension option
AHF150E	50	4355	1500	1730	1055	1035	695	315	317	5700	745	745	1000	2000	ETR47EF ETR65EF

Options

	Sphère	Ellipse	Aronde
1. Visual and audible alarm p. 70-71	X	X	X
2. Cylindrical polyethylene extension p.70	X	X	X

Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators

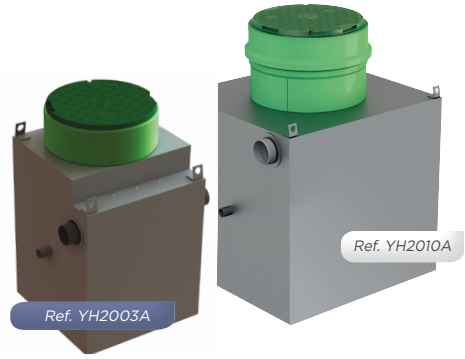
with coalescing filter

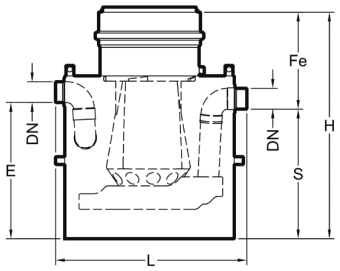
- Tank in fabricated steel with lifting rings.
- Epoxy bi-component coating.
- Inlet aerator.
- PVC inlet and outlet.
- Vertical automatic stopper in polyethylene calibrated to 0.85.

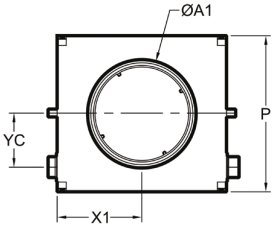
Hydrocube range:
- Light cover (pedestrian traffic) with locking screw.
- Conical partition.
- Fully removable coalescing filter.
- Available as reinforced model (depending on installation limitations).

HydroBac range:
- Cylindrical manholes without cover.
- Removable coalescing filter.

HydroCube

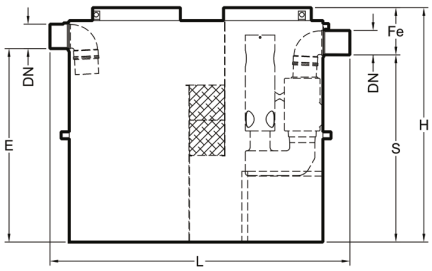


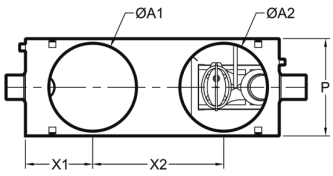




YH20A range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Separator Volume	ØA1	X1	YC	"Fixed" extension option	"Adjustable" extension option
YH2003A	3	900	745	1200	660	630	570	110	110	350	585	373	253	PLA13555G PLA13556G	-
YH2010A	10	1470	1200	1740	1050	1000	740	160	247	1560	745	650	410	-	ETR47EF ETR65EF

HydroBac





AHFA range	Size l/s	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Separator Volume	ØA1	ØA2	X1	X2
AHF120A	20	2140	830	1650	1200	1150	500	200	480	1910	750	750	450	1050

Options

	HydroCube	Hydrobac
1. Visual and audible alarm p. 70-71	X	X
2. Cylindrical polyethylene extension p.70	X	

Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators

with coalescing filter and lifting tank

Use:
- 100% recyclable rotomoulded polyethylene tank with lifting rings and manhole(s).
- Vertical automatic stopper in polyethylene calibrated to 0.85.

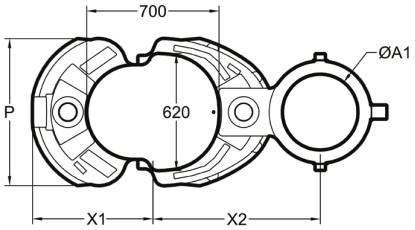
Design:
- Ideal for treating run-off water requiring downstream lifting.
- Underground installation inside and outside the building.
- Underground car park special.
- Manufactured with reinforcements for improved mechanical strength.
- Ø110 inlet with nitrile seal.
- Polyethylene partition with filter holder and coalescing filter.
- 1 polyethylene built-in lifting tank.
- 1 non-slip polyethylene cover locked with stainless steel screws for safe pedestrian traffic.
- Ø50 female PVC vent bonding sleeve.
- DN63 PVC outlet sleeve.
- DN50 bonding cable gland.
- Handling straps for easy installation.

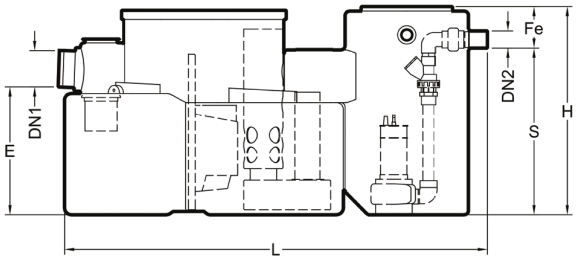
Interior equipment:
- 1 built-in lifting station.
- 1 x 230V submersed single-phase pump, Caprari DXV09M/G type, mounted with union fitting for quick removal.
- 1 DN40 PVC non-return ball valve

EHR

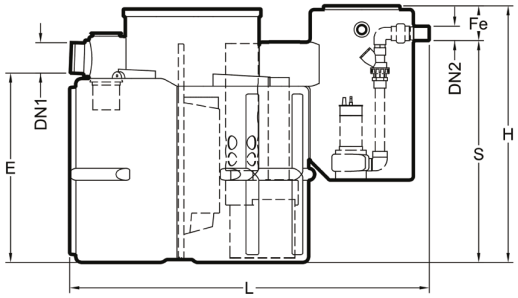
Product benefits

Compact and solid unit combining water lifting and treatment





EHR0501C model



EHR0503C model

EHR range	Size l/s	L	P	H	E	S	Fe	DN1 (PVC Ø)	DN2 (PVC Ø pressure)	Weight	Volume			ØA1	Y1	Y2	Pump type
											sludge trap	Separator	Lifting				
EHR0501C	1.5	1880	780	885	585	735	150	110	63	68	150	190	90	400	640	885	DXV09M/G
EHR0503C	3	1880	780	1315	1015	1165	150	110	63	85	300	350	90	400	640	885	DXV09M/G

Options

	EHR
1. Visual and audible alarm p. 70-71	X

Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators

The pump

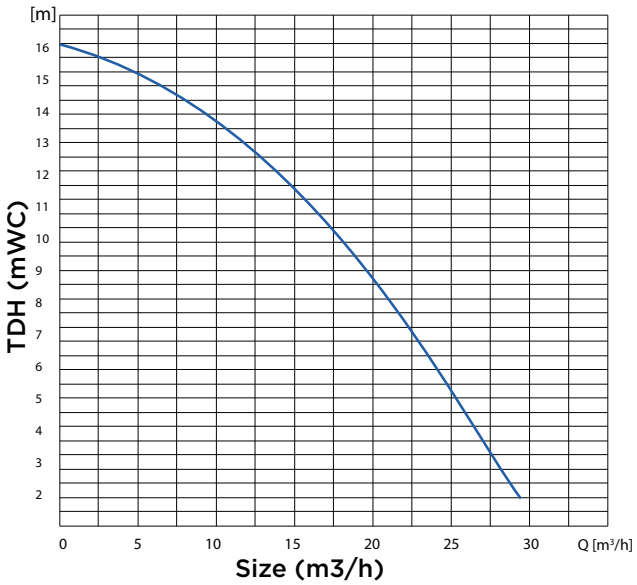
DXV 09/G-230

DESCRIPTION:

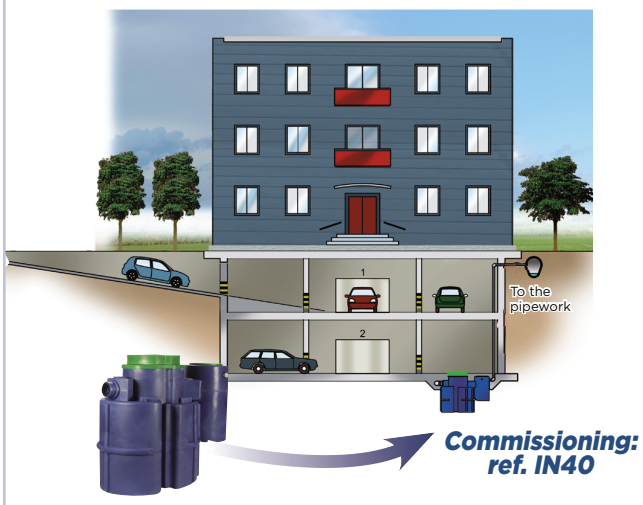
Voltage: single-phase 230V.
Speed: 2800 rpm.
Power: 0.9 kW.
Works with built-in level regulator.
Construction: Stainless steel and cast iron
Wheel: Open.
Seal with mechanical
trim, silicon carbide
Max. grain size: 6 mm.
Weight: 19 kg.
Pump supplied with 10 metres of cable (H07RN-F).
Thermal motor monitoring.
Power cable can be disconnected from the motor.

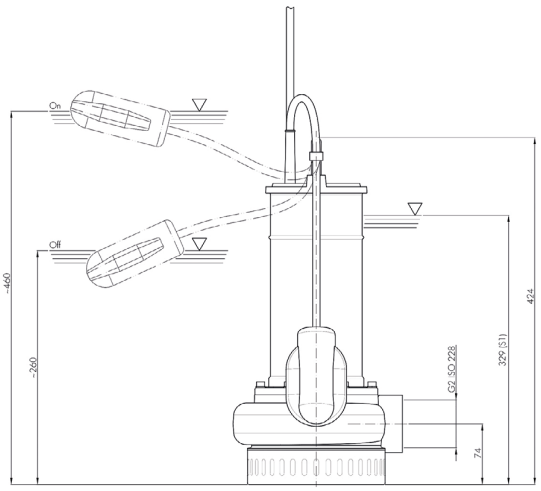
Pump curve

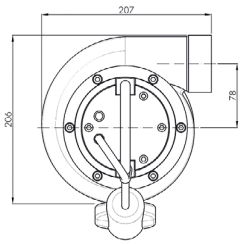
with size (flow rate) and total dynamic head (TDH):



Installation of the EHR separator







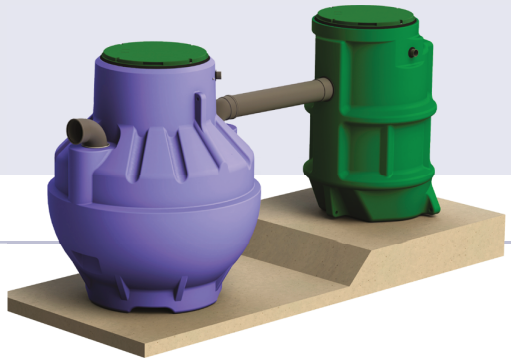
Oil separators

with sludge trap, coalescing filter and lifting compartment

- 100% recyclable rotomoulded polyethylene tank with lifting rings and manhole.
- Vertical automatic stopper in polyethylene calibrated to 0.85.
- PVC inlet and outlet.
- Conical partition
- Fully removable coalescing filter.

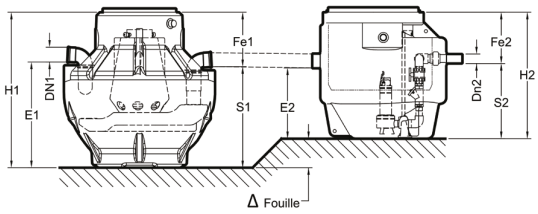
Lifting tank:

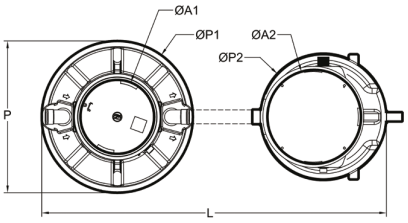
- 100% recyclable rotomoulded polyethylene tank with manhole.
- Volume under water level: 400l.
- Female PVC inlet bonding sleeve for PVC tube.
- 2"1/2 PVC outlet tube.
- Ø 76/90 TPC cable gland sheath.
- Female PVC cable gland for Ø50 external PVC tube.
- 500 mm long PVC tube to connect the oil separator to the lifting tank.
- Available as reinforced model (depending on installation limitations).



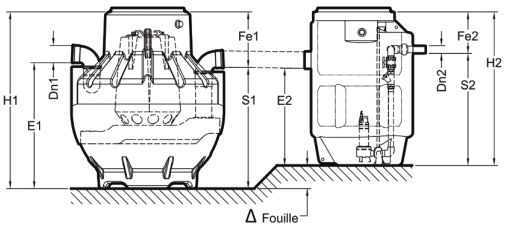
Sphère with lifting

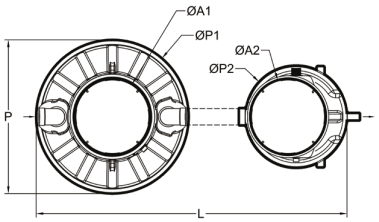
YHR0503E model





YHR0506E / 0508E / 0510E models





Oil separator

YHRE range	Size l/s	P1	H1	E1	S1	Fe1	DN1 (PVC Ø)	Weight	Volume		ØA1	"Fixed" extension option	"Adjustable" extension option
									sludge trap	Separator			
YHR0503E	3	1200	1230	840	800	430	110	40	300	360	585	PLA13555G PLA13556G	-
YHR0506E	6	1500	1700	1200	1150	550	160	88	600	900	745	-	ETR47EF ETR65EF
YHR0508E	8	1550	1700	1200	1150	550	160	88	800	720	745	-	
YHR0510E	10	1550	1965	1450	1400	565	160	114	1000	940	745	-	

Lifting tank

YHRE range	Size l/s	D2	H2	E2	S2	Fe2	DN2 (PVC Ø pressure)	Weight*	Volume under water level	ØA2	"Adjustable" extension option
YHR0503E	3	1000	1000	560	650	350	75	30	400	745	ETR47EF ETR65EF
YHR0506E	6	1000	1500	915	1100	400	75	55	400	745	
YHR0508E	8	1000	1500	915	1100	400	75	55	400	745	
YHR0510E	10	1000	1500	915	1100	400	75	55	400	745	

Treatment unit

YHRE range	Size l/s	P	L	Δ Excavation
YHR0503E	3	1230	2800	230
YHR0506E	6	1500	3400	200
YHR0508E	8	1550	3450	200
YHR0510E	10	1550	3450	465

Options

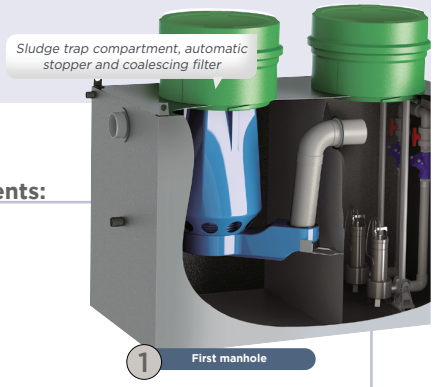
	Sphère
1. Visual and audible alarm p. 70-71	X
2. Cylindrical polyethylene extension p.70	X
3. Kit with 1 or 2 pumps p. 56	X

Dimensions are in millimetres, weights in kilograms, volumes in litres.

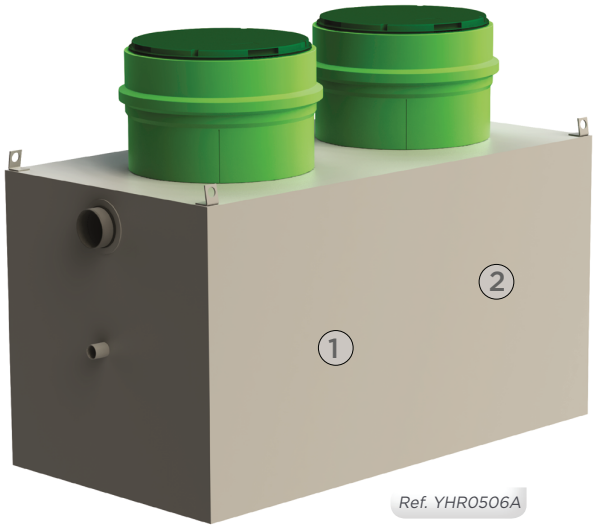
Oil separators

with sludge trap, coalescing filter and lifting compartment

- Tank in fabricated steel with lifting rings.
- Epoxy resin/polyamide adduct-based bi-component coating.
- Inlet aerator.
- PVC inlet and outlet.
- Vertical automatic stopper in polyethylene calibrated to 0.85.
- Conical partition - fully removable coalescing filter.
- Cable tap and vent DN50.
- Built-in lifting tank (optional pump kit).
- 2"1/2 steel threaded coil tank outlet discharge.
- 3-piece tapped/female D75 union bonding connection supplied with the tank.

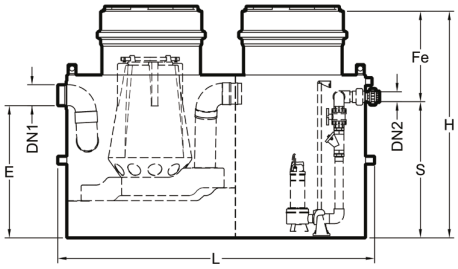


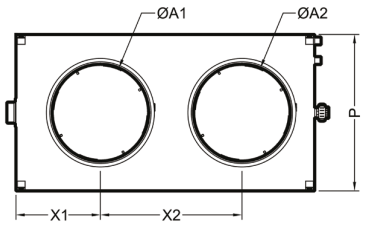
The different compartments:



Ref. YHR0506A

HydroBac with lifting





Commissioning: ref. IN4005

YHRA range	Size l/s	L	P	H	E	S	Fe	DN1 (PVC Ø)	DN2 (Threading)	Weight	Volume			ØA1	ØA2	X1	X2	"Adjustable" extension option
											sludge trap	Separator	Lifting					
YHR0501A	1.5	2160	900	1490	660	800	690	110	2"1/2	275	150	200	622	745	745	370	1100	ETR47EF ETR65EF
YHR0503A	3	2170	995	1490	790	800	690	110	2"1/2	296	300	442	700	745	745	500	980	
YHR0506A	6	2480	1200	1740	1020	1050	690	160	2"1/2	462	600	960	1080	745	745	650	1090	
YHR0508A	8	2480	1200	1990	1270	1300	690	160	2"1/2	628	800	970	1250	745	745	650	1090	
YHR0510A	10	2500	1200	1990	1270	1300	690	160	2"1/2	628	1000	1000	1250	745	745	650	1090	

Options	Hydrobac
1. Visual and audible alarm p. 70-71	X
2. Cylindrical polyethylene extension p.70	X
3. Kit with 1 or 2 pumps p. 56	X

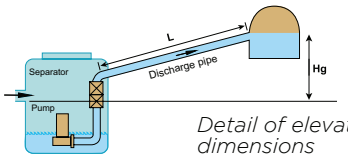
Dimensions are in millimetres, weights in kilograms, volumes in litres.

Oil separators

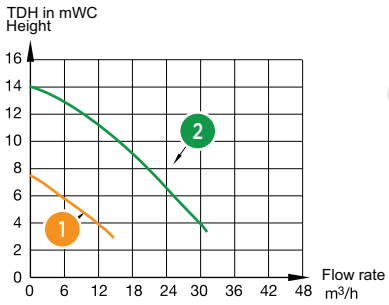
Lifting compartment pump kits

1 or 2 pumps, choose your "lifting kit" depending on:

a lifting height (Hg)



Detail of elevation dimensions



b nominal size of the unit

Lifting compartment ref. Kit KP26P (option)

Kit principle:
Specially tailored to ref. YHRA and YHRE separators.
The kit is chosen based on the flow rate and Total Dynamic Head *(=Geometric height + pressure loss).*

Composition:
- 1 or 2 submersible pump(s) on plastic bracket.
- Pressure PVC pipes with connections.
- 1 or 2 ball check valves.
- 1 or 3 level regulators with counterweight.
- 1 control cabinet for kits with 2 pumps.

Lifting kit
with 1 or 2 pumps - YHRA-YHRE separator

a Choice depending on lifting height (Hg)

Kit Ref.	Pump type(s)	Plastic foot bracket(s)	No. of pumps	Regulation	DN2 Discharge	Power kW	Voltage V	Current A	Interior discharge pipes	Curve number
KP11P	Feka 600	yes	1	regulated by float switches	2"1/2	0.55	230	4.3	40	1
KP21P		yes	2	regulated by float switches + 1 alarm float	2"1/2	0.55	230	4.3	40	
KP16P	Feka 1200 automatic	yes	1	regulated by float switches	2"1/2	1.2	230	8.6	50	2
KP26P	Feka 1200	yes	2	regulated by float switches + 1 alarm float	2"1/2	1.2	230	8.6	50	

Other configurations are available - Contact us

b Choice depending on nominal size of the unit

YHRA/E range	KP11P pump kit	KP21P pump kit	KP16P pump kit	KP26P pump kit
YHR0501A	•	•		
YHR0503A/E	•	•		
YHR0506A/E		•	•	
YHR0508A/E			•	•
YHR0510A/E				•

BSR-type control cabinet.

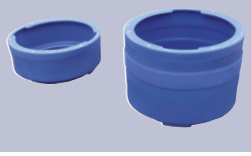
Responsible for automatic operation and protecting the lifting pumps.
Allows automatic reversal on each start-up, and simultaneous running of 2 pumps on the level of the 3rd float.
It has "circuit breaker on" lights per pump and "voltage present" lights.

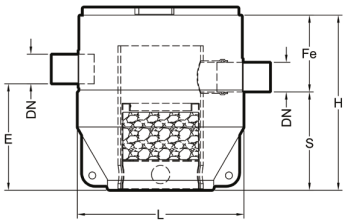
Acid neutralisation tank

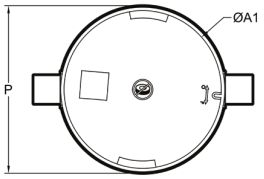
- 100% recyclable rotomoulded polyethylene tank with lifting rings and manhole(s).
- Polyethylene inlet and outlet
- Light cover (pedestrian traffic) with locking screw.
- 1 acid neutralisation column with removable basket(s).
- Operation: neutralises sulphuric acid before discharge into the network.
- The unit is particularly suited to treating wastewater from battery maintenance or storage premises or chemistry rooms.
- It has a tank with one to three marble filter baskets (depending on reference). The acid is neutralised when it comes into contact with these filters.

OPTION

Fixed cover extension (not telescopic), 2 heights available:
200 mm, 6 kg PLA13555G
400 mm, 8 kg PLA13556G

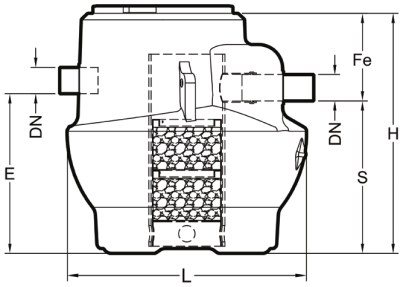


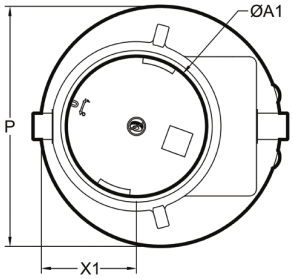




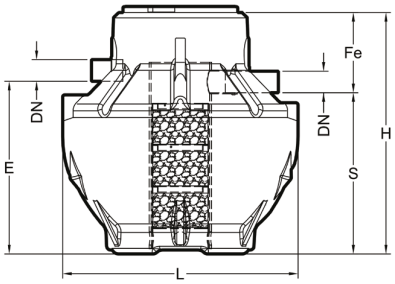
YNE range	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Useful volume	ØA1	"Fixed" extension option
YN00E	625	625	680	400	370	310	110	31	110	585	PLA13555G PLA13556G

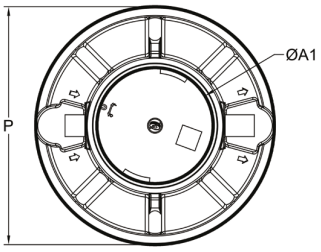
Sphère





YNE range	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Useful volume	ØA1	X1	"Fixed" extension option
YN01E	1000	1000	1000	670	640	360	110	70	340	585	400	PLA13555G PLA13556G





YNE range	L	P	H	E	S	Fe	DN (PVC Ø)	Weight	Useful volume	ØA1	"Fixed" extension option
YN02E	1200	1200	1230	880	825	405	110	98	660	585	PLA13555G PLA13556G

** Weight with marble gravel*

Options

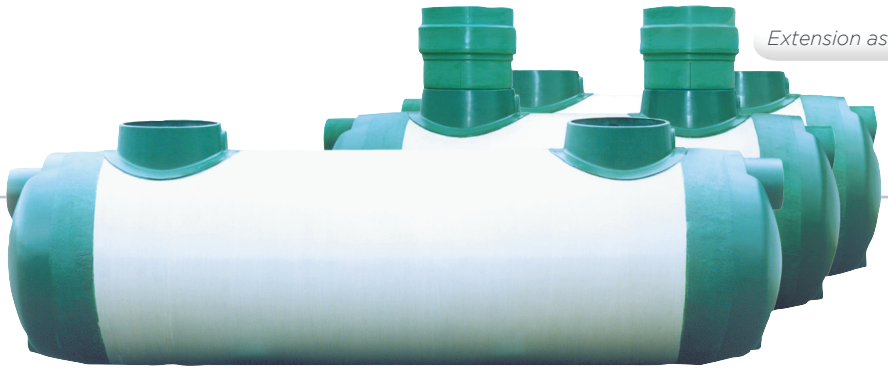
	YNE
1. non-telescopic cylindrical polyethylene extension p. 70	X

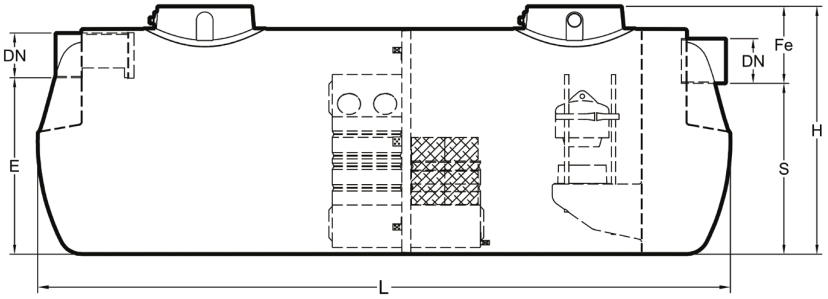
Dimensions are in millimetres, weights in kilograms, volumes in litres.

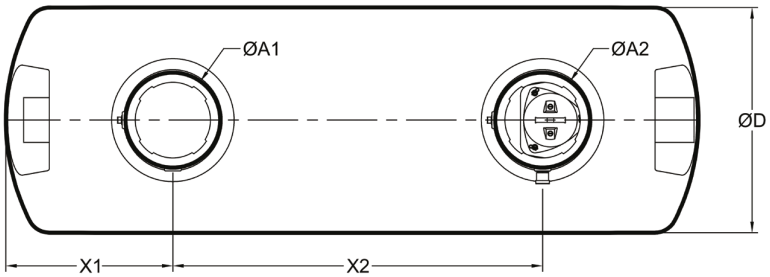
Cylindrical separators

with sludge trap and coalescing filter

- Polyester tank made with filament winding.
- Automatic stopper in polyethylene calibrated to 0.85 outlet (other calibration on request)
- Removable coalescing filter.
- Cylindrical manholes without cover.







U6

U6 range	Size l/s	L	ØD	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2	"Adjustable" extension option
										sludge trap	Separator					
U6ADA2P	30	3554	1600	1816	1350	1300	516	200	421	3000	2700	790	790	1150	1254	ETR47EF ETR65EF
U6ADF3P	35	4499	1600	1816	1240	1190	626	315	509	3500	3150	790	790	1150	2199	
U6AEA3P	40	5093	1600	1816	1240	1190	626	315	556	4000	3600	790	790	1150	2792	
U6AEF3P	45	5686	1600	1816	1240	1190	626	315	605	4500	4050	790	790	1150	3386	
U6AFA3P	50	6280	1600	1816	1240	1190	626	315	659	5000	4500	790	790	1150	3980	

For larger sizes, please contact our design office.

Options

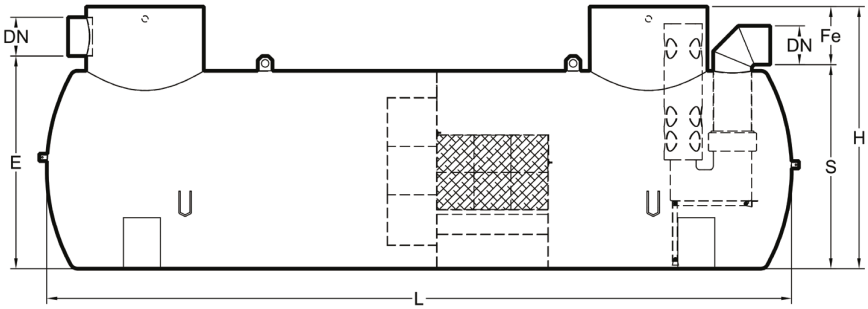
	U6
1. Visual and audible alarm p. 70-71	X
2. Cylindrical polyethylene extension p.70	X
3. Anchoring straps p. 72	X
4. Speed chassis p. 72	X

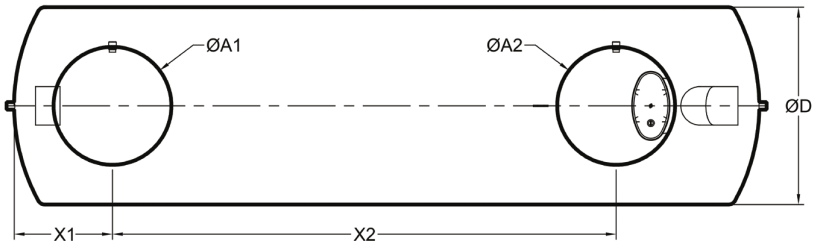
Dimensions are in millimetres, weights in kilograms, volumes in litres.

Cylindrical separators

with sludge trap and coalescing filter

- Tank in S235JR fabricated steel with lifting rings and anchoring bracket.
- Epoxy resin-based bi-component coating.
- Cylindrical manholes without covers.
- Automatic stopper in polyethylene calibrated to 0.85 outlet (other calibration on request)
- Removable coalescing filter.





U4

U4 range	Size l/s	L	ØD	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2
										Sludge trap	Separator				
U4ADA2A	30	3547	1600	2000	1703	1653	347	200	726	3000	2700	750	750	698	1902
U4ADF3A	35	4047	1600	2120	1723	1653	467	315	841	3500	3150	750	950	698	2187
U4AEA3A	40	4047	1600	2120	1723	1653	467	315	841	4000	3600	750	950	698	2187
U4AEF3A	45	4547	1600	2120	1723	1653	467	315	900	4500	4050	750	950	698	2687
U4AFA3A	50	5047	1600	2120	1723	1653	467	315	988	5000	4500	750	950	698	3187

For larger sizes, please contact our design office.

Options

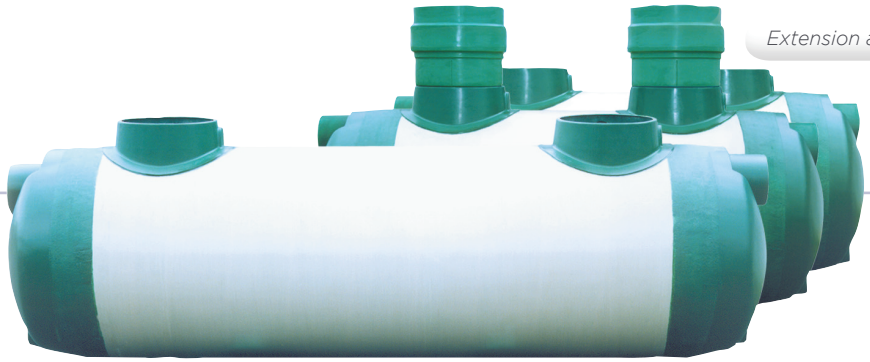
	U4
1. Visual and audible alarm p. 70-71	X
2. anchoring tensioners p. 72	X
3. Speed chassis p. 72	X

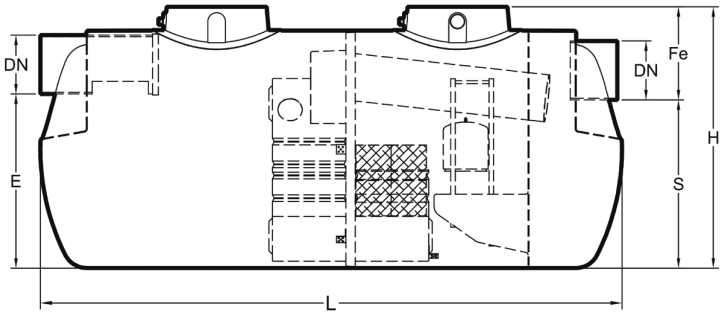
Dimensions are in millimetres, weights in kilograms, volumes in litres.

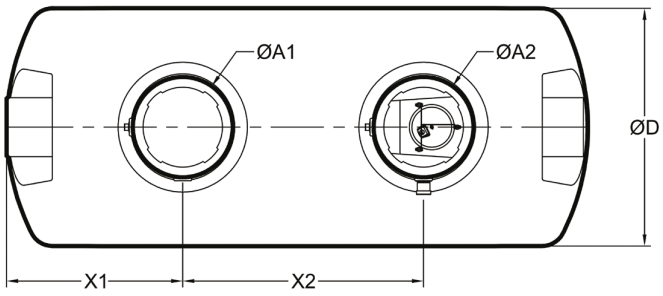
Cylindrical separators

with sludge trap, coalescing filter & bypass

- Polyester tank made with filament winding.
- Automatic stopper in polyethylene calibrated to 0.85 outlet (other calibration on request)
- Removable coalescing filter.
- Cylindrical manholes without cover.







W6

W6 range	Size l/s	L	ØD	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2	"Adjustable" extension option
										sludge trap	Separator					
W6ADA4P	30	4105	1600	1816	1150	1100	716	400	549	3000	2700	790	790	1150	1805	ETR47EF ETR65EF
W6ADF4P	35	4742	1600	1816	1150	1100	716	400	607	3500	3150	790	790	1150	2442	
W6AEA4P	40	5380	1600	1816	1150	1100	716	400	667	4000	3600	790	790	1150	3080	
W6AEF4P	45	6017	1600	1816	1150	1100	716	400	727	4500	4050	790	790	1150	3717	
W6AFA5P	50	7206	1600	1816	1080	1030	786	500	812	5000	4500	790	790	1150	4906	

For larger sizes, please contact our design office.

Options

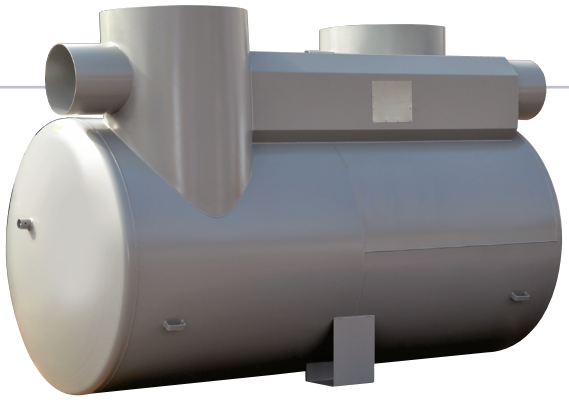
	W6
1. Visual and audible alarm p. 70-71	X
2. Cylindrical polyethylene extension p.70	X
3. Anchoring straps p. 72	X
4. Speed chassis p. 72	X

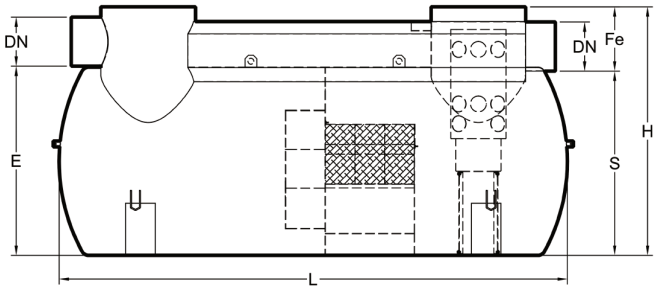
Dimensions are in millimetres, weights in kilograms, volumes in litres.

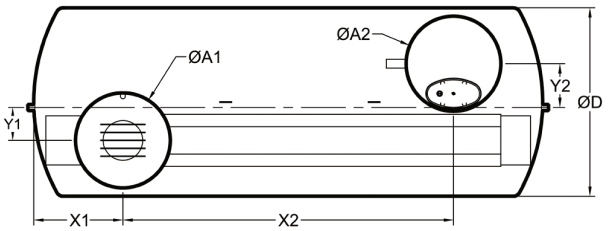
Cylindrical separators

with sludge trap, coalescing filter & bypass

- Tank in S235JR fabricated steel with lifting rings and anchoring bracket.
- Epoxy resin-based bi-component coating.
- Automatic stopper in polyethylene calibrated to 0.85 outlet (other calibration on request)
- Railings.
- Removable coalescing filter.
- Cylindrical manholes without cover.







Y1

Y1 range	Size l/s	L	ØD	H	E	S	Fe	DN (PVC Ø)	Weight	Volume		ØA1	ØA2	X1	X2	Y1	Y2
										sludge trap	Separator						
Y1ADA4A	30	3047	1600	2200	1623	1573	627	400	810	3000	2700	850	850	801	1444	337	337
Y1ADF4A	35	3547	1600	2200	1623	1573	627	400	917	3500	3150	850	850	801	1944	337	337
Y1AEA4A	40	4047	1600	2200	1623	1573	627	400	990	4000	3600	850	850	801	2444	337	337
Y1AEF4A	45	4547	1600	2200	1623	1573	627	400	1063	4500	4050	850	850	801	2944	337	337
Y1AFA5A	50	3645	1900	2510	1913	1863	647	500	1128	5000	4500	950	950	900	1844	387	387

For larger sizes, please contact our design office.

Options

	Y1
1. Visual and audible alarm p. 70-71	X
2. anchoring tensioners p. 72	X
3. Speed chassis p. 72	X

Dimensions are in millimetres, weights in kilograms, volumes in litres.