



## Options

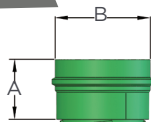
|                         |         |
|-------------------------|---------|
| Extensions              | p 90    |
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| Unit anchoring          | p 92    |
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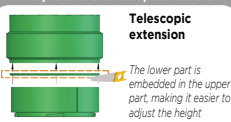
## Options for:

- oil separators
- grease and/or starch separators.

### 1 - Extension

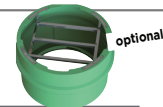


Principle of the telescopic extension



#### Reminder

To define the number and type of extension, refer to the separator product file.

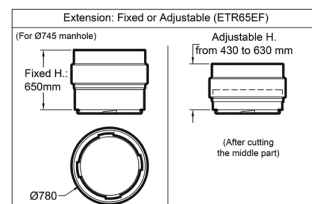
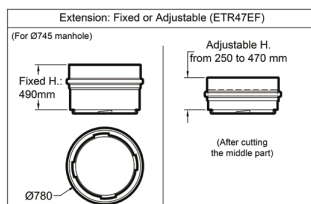
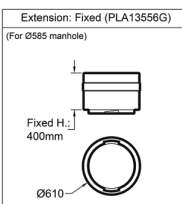
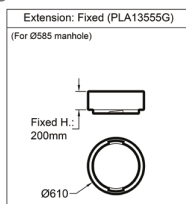


| References | A (mm) | B (mm) | Weight (kg) | Adjustable | Fixed | Fall protection grate ref. G10670I |
|------------|--------|--------|-------------|------------|-------|------------------------------------|
| ETR47EF    | 490    | 780    | 10.5 kg     | •          |       | •                                  |
| ETR65EF    | 650    | 780    | 18 kg       | •          |       | •                                  |
| PLA13555G  | 200    | 610    | 4 kg        |            | •     |                                    |
| PLA13556G  | 400    | 610    | 6 kg        |            | •     |                                    |

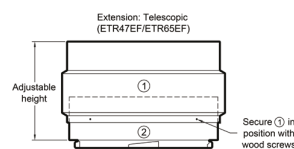
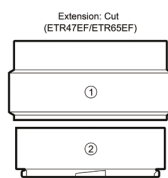
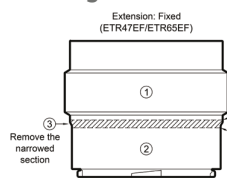


From the second stacked extension, a concrete slab is required. Ideally, the installation should be as shallow as possible to make maintenance easier and avoid ground overload on the tank.

#### Diagrams



#### Adjustable extension diagrams:



### 2 - Visual and audible alarms

#### Oil alarm - battery-powered



ATEX-certified intrinsic security alarm comprising an IP67 PVC cabinet and a probe with a motion sensor. Length of oil probe cable: 10 m length - Section: 2 x 1.5 mm  
Powered by 6 alkaline batteries.  
Used to signal an oil level, maintenance deadline (0, 3, 6 or 12 months), low battery level, overfill (see RM10EX option).

**RM10EX option** : ATEX level regulator to detect a high level.



Ref.  
AH01

#### Oil alarm - 230V power supply



ATEX-certified intrinsic security alarm comprising an IP65 polycarbonate cabinet and a conductivity probe. Length of probe cable: 10 m - Section: 2 x 0.75 mm

Supplied with cable junction.



Ref.  
AH

#### Sludge alarm - 230V power supply



ATEX-certified intrinsic security alarm comprising an IP65 polycarbonate cabinet and an ultrasound probe. Supplied with 10 metres of 3 x 0.5 mm shielded cable.

Supplied with cable junction.



Ref.  
AB010

#### Oil and sludge alarm - 230V power supply



ATEX-certified intrinsic security alarm comprising an IP65 polycarbonate cabinet, a conductivity probe for oil and an ultrasound probe for sludge.

Supplied with 5 metres of cable.

Sludge probe cable section: 3 x 0.5 mm

Oil cable section: 2 x 0.75 mm shielded

Supplied with 2 cable junctions.



Ref.  
AHB

#### Information from Techneau

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 in the separator. A visual and/or audible alarm triggers when the desired level is reached.



## Options for:

- oil separators
- grease and/or starch separators.

### Autonomous transmitters

Techneau offers to supplement the alarm with an autonomous transmitter to tell you when the desired threshold is reached.



#### Autonomous transmitter with a SIM card

Autonomous transmitter using Orange's GSM, GPRS or 3G networks. It allows preset SMS to be sent to pre-recorded mobile numbers (up to 4 different numbers). Activation from dry switch in all our alarm cabinets. Included: SIM card with GSM plan for 5 years (activated when first SMS sent).



Ref.

TEL010



#### Autonomous transmitter without a SIM card

Autonomous transmitter using Orange's GSM, GPRS or 3G networks. It allows preset SMS to be sent to pre-recorded mobile numbers (up to 4 different numbers). Activation from dry switch in all our alarm cabinets.



Ref.

TEL020



## Options for:

- grease and/or starch separators.

### 3 - Grease alarm

#### Grease alarm - 230V power supply

Sound and visual 230V alarm for grease separator to signal a grease level in the separator before saturation. It also detects when it has not been refilled with water (possible after draining operations).

Equipped with an IP65 control cabinet and an IP68 capacitive probe with a 10 metre cable.

Grease probe cable section: 2 x 0.75 mm

Supplied with cable junction.



Ref.

AG

### Information from Techneau

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 in the separator. A visual and/or audible alarm triggers when the desired level is reached.



## Options for unit anchoring



### Rot-proof polyester strap

for the EHR range.

It is connected to the ballast slab with a rebar (not supplied).

### Polyethylene oil separators

| Relevant Ellipse units |          | Ref.  |
|------------------------|----------|-------|
| EHR0501D               | EHR0503D | SA107 |



### Anchoring device with polyester strap and tensioner diameters $\leq 1600$

2 rot-proof polyester straps with dichromate steel hooks and a galvanised turnbuckle for final tensioning of the device. *Can be used to anchor a tank up to 1600 mm diameter.*

The tensioner must be connected and bolted to the ballast slab with a rebar (not supplied).

The quantity will be defined depending on the unit model: **contact us**.

Ref.

SA1216



### Galvanised steel turnbuckle only

Used to connect a U4, Y1 or NH type steel tank to a ballast slab.

Fastened to each tank anchoring bracket, it is connected and bolted to the ballast slab by a rebar (not supplied).

Tank model

Ref.

Steel tank  
diam. 1600 mm

12243T

Steel tank  
diam. > 1900 mm

15126T

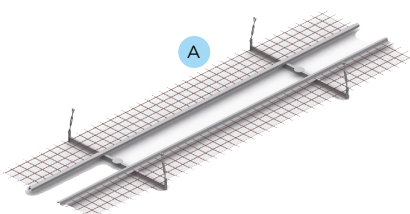
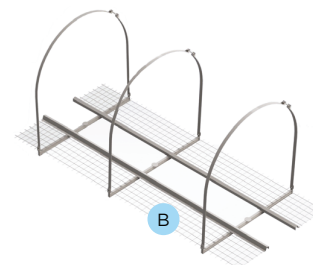
The quantity will be defined depending on the unit model: **contact us**.

### Chassis speed - Polyester or steel units

Used to connect a cylindrical tank to a lower apron (ballasting slab) by pouring the concrete directly onto the assembly.

For steel units, it is fastened via galvanised tensioners on each tank anchoring bracket. The unit is connected and bolted to the ballast slab with a rebar (not supplied). The assembly (excluding mesh) is protected with an anti-rust coating.

For polyester units, stainless steel anchoring straps connect the assembly to the ballast slab.



Tank model

Models

Horizontal cylindrical  
tank in steel

A

CSTG\_

Horizontal cylindrical  
tank in polyester

B

CSCI\_

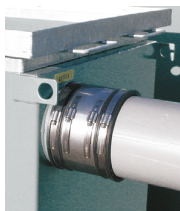


**very importante in the presence of groundwater (see installation chapter)**





## Additional options



### Adapter sleeve

In nitrile for oils. It is used to connect the unit inlet and/or outlet depending on the type of pipe.

Other diameters: **contact us**.

| Ref.   | min.<br>ext. ø | min.<br>ext. ø | Width | Weight |
|--------|----------------|----------------|-------|--------|
| TSC115 | 100            | 115            | 100   | 0.6    |
| TSC175 | 150            | 175            | 120   | 1.0    |
| TSC225 | 200            | 225            | 150   | 1.7    |



### Solenoid valve for starch

230 V power supply.

Membrane solenoid valve, normally closed indirect control. Technical properties: 2-way, brass body, EPDM membrane -30° +120°. IP65 protection with connector.

Ref.

EV1521



### Polyethylene 1/4-turn valve for mini grease separator

Made from PVC.

Ref.

11417



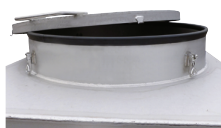
### Starch inlet for stainless steel separator

100 mm diameter stainless steel inlet for BDG\_I or BDGA\_I type stainless steel grease separator.

Supplied with spray nozzle.

Ref.

OSF010

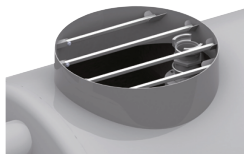


### Stainless steel sealed cover for manhole

Made from stainless steel, diameter 580 mm or 780 mm.

Toggle latch closure on seal.

| Ref.      | Cover<br>diameter | Weight |
|-----------|-------------------|--------|
| CV0580AEI | 580 mm            | 7      |
| CV0780AEI | 780 mm            | 12     |



### Fall protection grate with separate bars, horizontal and vertical storm water treatment unit special

For worker safety, a fall protection grate with separate bars in stainless steel can be added to NV, NVB and NH storm water treatment unit manholes.

| Ref.   | Manhole<br>diameter |
|--------|---------------------|
| ON1505 | 580 mm              |
| ON1510 | 780 mm              |
| ON1515 | 950 mm              |

### Fall protection grate with separate bars

on concrete extension

Contact us



## Additional options for steel units



### Automatic stopper for vertical storm water treatment units

Made from polyethylene. Calibrated to oil density, the option is used to stop any oil release towards the network, in the event of an accidental leak or oil storage above the storm water treatment unit's capacity.

| Treated flow DN                | Ref.    |
|--------------------------------|---------|
| for NV or NVB DN 100           | FLO100E |
| for NV or NVB DN 160 or DN 200 | FLO200E |



### Drain column for vertical storm water treatment units

Made from DN80 PVC. Equipped with a symmetrical connection, it makes the maintenance of vertical units easier.

| Unit type                          | Ref.   |
|------------------------------------|--------|
| for NV or NVB Size 4, 8, 12 and 16 | ON1005 |
| for NV or NVB Size 20 and 30       | ON1010 |



### Steel unit cathode protection

Used to protect a steel tank electrically from its immediate surroundings if the coating is scraped or it is electrically modified.

Principle of sacrificial anodes:

- internal cathode protection (provided by magnesium anodes).
- external cathode protection (provided by pre-backfilled sacrificial anodes connected to the unit using a supplied 6 mm<sup>2</sup> link cable)

These protection devices are to be distributed in a uniform manner along the length of the tank. *Contact us for the required quantity depending on the unit.*

| Name                       | Ref.  |
|----------------------------|-------|
| Internal sacrificial anode | A02M  |
| External sacrificial anode | A05MP |



**Optional:** an external anode control box can be installed to check the efficacy of anodes and cathodes, considering the electrochemical limitations of the surrounding terrain.

| Name            | Model |
|-----------------|-------|
| Control cabinet | CCPC_ |