

LABEL QUALITÉ
SYSTÈME
Certification ISO 9001 V2008
N° 07/10/09-01

*Made to measure, the
system is delivered
ready to install.*

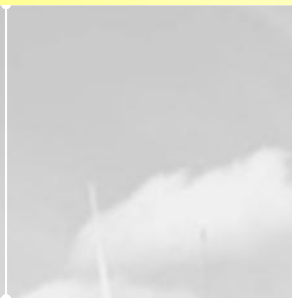
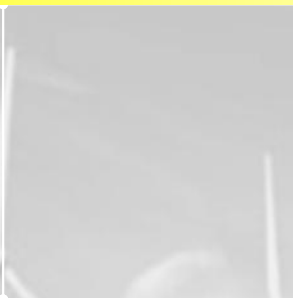


*Safe use, maintenance
and access.*



Temporary Storage Tanks

BSTP Range



*Transformer
transfer, storage and
maintenance.*



*Supplied with full
installation
instructions.*



**For clean, safe
and efficient,
energy**

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AKHELEC, sole distributor for GMT

☎ +34 93 272 39 00 / 📠 : +34 93 488 10 53

Web: www.akhelec.com / Mail: akhelec-uk@akhelec.com



Temporary Storage Tanks

BSTP Range

Use

Designed for outdoor storage of medium and large oil filled transformers. **They can be assembled and dismantled quickly and give an oil retention capacity of up to 100 M³.**

Design

Specially designed for dielectric oils, these tanks are made to measure. Each tank is made up of a **metallic structure in pre-stressed aluminium profile** on which a **reinforced sheet** is high resistance welded ; This geo-membrane is designed to resist weathering, UV light and rain as well as many chemical substances (acids, bases, hydrocarbons ; compatibility table available if required). *It has a high resistance to tearing, piercing and abrasion and does not require any maintenance.*

Each tank is supplied with geo-textile sheets to be placed under the tank to protect it from the roughness and irregularity of the soil when it is laid out, and in the tank prior to installing support materials and the transformer, thus the BSTP is an ideal solution for storage of industrial equipment.

When equipped with **FILTRELEC[®]** filtering units the **BSTP** can be placed outdoors without risk of filling up with water. Each tank has a **1.5 inch drain valve** to which a **PETRO-PIT[®]** filter cartridge can be connected, as well as a **safety siphon** to drain excess rainwater. To allow rainwater to drain continuously one or more Petro-PIT can be installed around the tank via additional valves.

Finally, the **BSTP** can accept wooden or metallic load bearing plates before the concrete support beams are put in position to take the transformer or other equipment to be stored.

Optional :

- ◆ 1.5 inch drain valves and siphons,
- ◆ Load spreading plates and support beams,
- ◆ Reinforced feet for soft ground,
- ◆ **FILTRELEC[®] Petro-PIT[®]** : Filtration system cartridge to allow rain water to drain whilst at the same time blocking any traces of hydrocarbon (see further information page 4),
- ◆ **Aluminium access ladder** to reach the transformer or equipment inside the tank,
- ◆ Elevated **grating platform** to give access around the equipment,
- ◆ **Track mats** to allow a vehicle to go inside the tank.



Assembly of BSTP : From Preparation to Installation on Site

Assembly and Installation of the BSTP

Before installation the ground should be prepared (flatten rough areas, or concrete pad)



1 - Groundwork



2 - Unrolling the tank



3 - Positioning the geo-textile sheet

The upright parts of the BSTP are assembled before fixing to the support feet. The feet are then pegged into the ground.



4 - Positioning load bearing plates



5 - Rolling the transformer into place



6 - Assembling the tank



7 - Assembled BSTP

Each side is assembled separately to allow entry into the tank to position equipment. In case a wheeled vehicle is used track mats are necessary to avoid damage to the tank membrane sheet.

The **BSTP** can be assembled by our team : ask for a separate quotation.



Using the BSTP outside The Petro-PIT® FILTRELEC® Range

Applications

All industrial equipment or storage units containing hydrocarbons should be inside a bunded area. This area needs to be drained regularly, but there is a risk of traces of hydrocarbon being mixed with the rainwater. The products in the **FILTRELEC®** range offer a solution allowing rainwater to be drained whilst at the same time retaining the traces of hydrocarbon that may be present.

The **Petro-PIT®** is a specially designed cartridge which can be adapted for all kinds of bund or tank.



Concept

It is made out of rigid PVC to provide strength and durability.

It contains a polymer component that attracts oil and rejects water. Once hydrocarbons have been taken in they are not released. In case of a large oil spill the component reacts and forms a plug, preventing any liquid spilling into the environment.

An integrated pre-filter protects the active filter component from external dust and dirt.

An optional external pre-filter will further increase resistance to blockage due to dirt.



The filtered water flow rate is approximately 3 litres/min for this 25 x 10 cm cartridge.

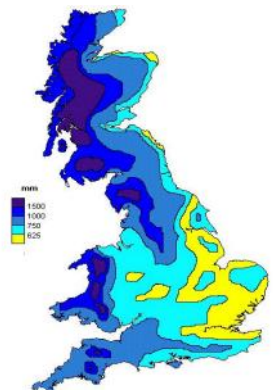
This automatic shut off system operates without any mechanical device or electrical connection. It thus reduces maintenance costs considerably and offers a unique solution for continual filtration of rainwater drainage.



INSTALLATION

The **Petro-PIT®** should be installed horizontally at the output of a drain valve. Its male 1.5 inch thread fits the BSTP perfectly.

A rainwater calculation is carried out for each request depending on the geographical location and size of the tank to be installed. It determines the minimum number of Petro-PIT® units to be installed or points to another system in the **FILTRELEC®** range.



Please request the **FILTRELEC®** brochure for further information.