



SANERGRID®

Environment and safety as added value™



Containment solutions and extinguishing systems for transformer

Retention tanks with removable walls

— BDR-P, BDR-GC and BDRSA: 3 ranges regarding your need



- ⊞ 2 removable walls tank (1 lengthwise, 1 widthwise):
 - **BDR-P**: painted RAL 7033 - indoor use
 - **BDR-GC**: hot dip galvanized - outdoor use
 - Metal thickness 20 up to 30/10
 - Closing system by screws and nuts
- ⊞ 4 removable walls retention tank:
 - **BDRSA**: galvanised still - indoor use - clamping system
- ⊞ For all retention tanks:
 - Full retention of the dielectric ensured
 - Special technical silicone joint delivered with material to ensure proper sealing of the tank
 - Earth connection points

Flexible retention tanks **TRFLEX®-REFOR** & **-ECO**

— For transformer temporary storage



- ⊞ Temporary flexible retention tanks:
 - **TRFLEX®-REFOR**: tubular reinforced metallic structure for long period storage.
 - **TRFLEX®-ECO**: right angles metallic structure for itinerant storage or small duration storage
- ⊞ High resistance tarpaulin especially reinforced: mechanically, to corrosion, to hydrocarbons and ultraviolet
- ⊞ Outdoor use with rainwater special cartridges SPI®
- ⊞ Quick set up and installation
- ⊞ Rétention capacities going from 250 litres to 80 000 litres
- ⊞ Tailor made product for specials and higher volumes

Outdoor simple retention tanks **TRT®**

— And TRT-MODULO™ for power transformers



- ⊞ Hot dip galvanized retention tanks
- ⊞ Especially designed for exigent outdoor use
- ⊞ Equipped with emergency siphon by-pass, adjustable beams at the bottom of the tanks and rainwater evacuation kit PETRO PIT® SPI® (in option)
- ⊞ For higher containment capacities or long period outdoor storage, modular tanks:
 - TRT®-MODULO 2 or 3 connected by flexibles o flange
 - Deliver of concrete raising beams adapted to you need
- ⊞ Reusable, easy to install and with a long capacity of use

Monobloc extinguishing retention tanks **ERT®**

For distribution transformers, auxiliary & autotransformer



- ⊞ Self-load bearing hot dip galvanised retention tanks equipped with an extinguishing cover. Validated by CNPP, independent French national laboratory under EDF technical specifications
- ⊞ Adjustable beams to support the transformer
- ⊞ Total dielectric containment (EU - 100% / UK - 120%),
- ⊞ Dimensions and configurations adapted to every need
- ⊞ Hot dip galvanised gratings 30 x 30 (option)
- ⊞ Drain vale 1,5 or 2 inches regarding model
- ⊞ Stainless still tapings and valve, emergency siphon by-pass
- ⊞ Outdoor use: filtration cartridges SPI® (option)
- ⊞ Earth connection points
- ⊞ Lifting points by crane or forklift integrated (special tanks).

Modular extinguishing tank **ERT® MODULO™**

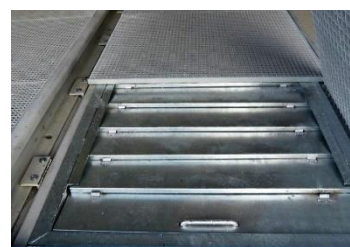
Extinguishing retention tanks for power transformers



- ⊞ Retention tanks in 2, 3 or 4 modules connected by special flexibles or flanges
- ⊞ Hot dip galvanised retention tanks for transformers up to 60T, equipped with a fire extinguishing cover validated by CNPP, (cf. ERT above)
- ⊞ Total dielectric containment (100%), UK standard (120%)
- ⊞ Dimensions and configurations adapted to every need
- ⊞ Hot dip galvanised gratings 30 x 30 with the tank
- ⊞ Drain vale 1,5 or 2 inches regarding model
- ⊞ Stainless still tapings and valve, emergency siphon by-pass
- ⊞ Earth connection points, lifting points by crane etc...
- ⊞ Outdoor use: filtration cartridges SPI® (option)

Extinguishing cover for transformer pit **EXTICOV™**

Frame based extinguishing cover for concrete pit in substations



- ⊞ Set of hot dip galvanized modular frames with extinguishing cover, tested in CNPP (cf ERT above), steel angle and anti-slippery gratings
- ⊞ Quick installation by modules, inspection door integrated and self « lock-out » of the extinguishing cover
- ⊞ A precise civil work drawing must be transmitted to manufacture the system
- ⊞ On previous budget demand, an in situ measurement can be done by one of our local installation partner (consult us)
- ⊞ Below EXTICOV™, by using a concrete manhole connected to the actual pit, possibility to integrate a filtration system PETRO PIPE® for continuous rainwater drainage
- ⊞ Connect all parts with earth bonding strap (not delivered, responsibility of the installer)

Special tanks and extinguishing frames



Taylor made extinguishing retention tanks: dimensions, configurations, retention volumes regarding any of your need



Special extinguishing frames assembled on prefabricated concrete retention tanks or small pit etc....

Rainwater drainage filters and accessories

PETRO-PIT® - PETRO PIPE® - PETRO BARRIER® and special systems



- ☉ Rainwater filter cartridges SPI® fulfilling the 3 following functions:
 - Continuous rainwater evacuation
 - Hydrocarbons traces filtration, when oil sheen is present in water (hydrocarbons rate in output of the filter below 5 ppm)
 - Complete sealing when the oil leak convert in spill and became environment unfriendly and contaminant
- ☉ Choice of the filter dimensions regarding rain flow and site configuration
- ☉ Pre filter possibility on top of filter or by pre filter box placed into the retention volume
- ☉ **The only filter recognized on the market for more than 10 years by the biggest industry in the United Kingdom and Europe (Network Rail, NGC, Balfour Beatty, Scottish Power, UKPN, SCHNEIDER, ABB, etc...) - for hydrocarbons, mineral oil and esters...**



Delivery of Teflon insulating plates, noise and vibration reduction silent-blocks, special civil work filters...



SANERGRID® who we are ?

Our company is specialised in the design, the manufacture and sale of industrial risk management solution in industry, notably including retention tanks and extinguishing covers for electrical transformers, in order to avoid ground contamination, reduce fire risk and domino effect.

Key actors of this industry already trust our technology: ERDF, RTE, ENGIE, SNCF, PSA, Bouygues, Eiffage, as per various transformers manufacturers.

All our tanks are designed regarding United Kingdom and European environment standards, oil spill regulation and electrical requirements.

The fire extinguishing system has been tested with success by CNPP, independent national French fire laboratory (PE 11 8643A under ERDF technical requirement)



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