



High tension transformers



CUSTOM TRANSFORMERS FOR YOUR PROJECTS

Focquet markets a range of high-voltage transformers for a variety of industrial applications. Among our solutions, hermetically sealed high-voltage dielectric transformers offer durability, compactness and low maintenance. Focquet offers transformers complying with the European Eco-Design standard EU548/2014 (TIER 2), which stand out for their high efficiency, i.e. reduced losses.

For all your applications, Focquet offers

Three-phase 50Hz standardized power range

50 / 100 / 160 / 250 / 400 / 630 / 800
1000 / 1250 / 1600 / 2000 / 2500 / 3150
5000kVA

Standard voltage range

- > **Primary** : up to 36kV
- > **Secondary** : On request
- > **Coupling** : Dyn11



All requests for non-standard voltages, powers and/or couplings can be studied by our sales and technical teams. For example, projects for power ratings up to 100MVA 170kV can be carried out on request.

Descriptive

- > **Hermetically sealed** tank and full vacuum filling
- > PCB-free liquid **dielectric**
- > ONAN-type **cooling**
- > **Alu/Alu windings** as standard
- > Sheet metal **magnetic circuit**
- > Lifting: two **lifting rings** on top for easy handling
- > **Nameplate**

Standard accessories

- > Steerable **wheels** for easy transport
- > **Low-voltage cover**
- > **Pressure relief valve**
- > Hermetic **protection relay** (DGPT2 or DMCR)
- > **Filling and draining valves**
- > **Voltage switch**: +2 x 2,5% / -2 x 2,5%
- > **Connection terminals**:
 1. Medium-voltage terminals: 24kV 250A plug-in bushings.
 2. Low-voltage terminals: TMT 1kV porcelain bushings or bar bushings (current appropriate to power).

Available options

Focquet offers a range of additional options to guarantee the performance and safety of its transformers:

- > A **Drip tray**
- > **Contact thermometer**
- > **Oil level indicator**
- > **High-voltage locking system**
- > **Windings:** Copper/Copper
- > Natural vegetable **oil**

Certifications

Our transformers are manufactured in compliance with the IEC60076-1 standard. They are CE marked and verified by a certified and calibrated test laboratory. Our transformers are manufactured in compliance with the Eco-Design standard.



Documentation

Drawings and data sheets are supplied for each individual project.

Tests et reports

Type tests are carried out after production of the transformer. A report is delivered with the transformer.



Focquet also offers a range of **high-quality low-voltage transformers**, marketed for over **40 years**

Autotransformers

ACCESSORIES	Covered / Uncovered
VOLTAGE	230V to 400V reversible as well as many other primary/secondary voltages
POWER RANGE	from 1 to 2000kVA
PROTECTION	IP00 – IP23 – IP31 – IP54

Isolation transformers

ACCESSORIES	Covered / Uncovered
VOLTAGE	230V to 400V reversible as well as many other primary/secondary voltages
POWER RANGE	from 1 to 2000kVA
PROTECTION	IP00 – IP23 – IP31 – IP54