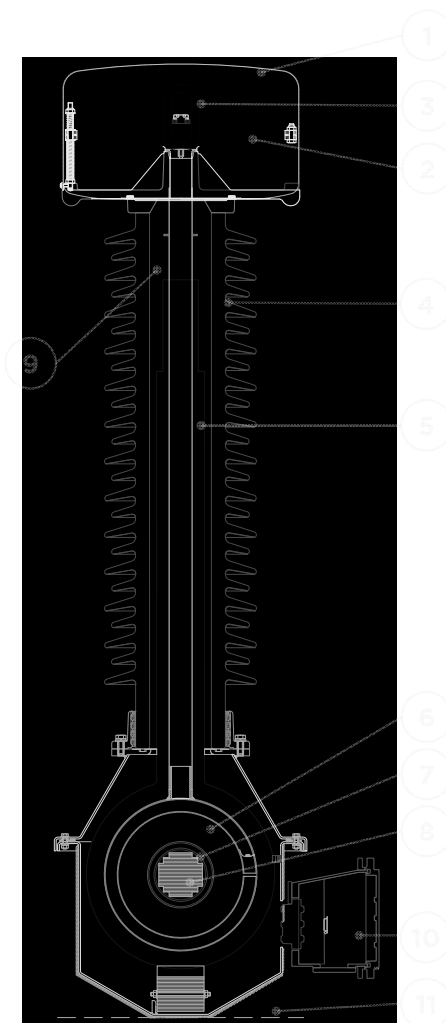


UTY SERIES

Oil-paper insulation:
model UTY up to 245 kV
and 16 kVA.

1. Top cover
2. Oil volume compensating system
3. Oil level indicator
4. Insulator
5. Capacitive bushing
6. Primary windings
7. Secondary windings
8. Core
9. Insulating oil
10. Secondary terminal box
11. Grounding terminal



DESIGN AND MANUFACTURING

PVTs with oil-paper insulation are made with a magnetic core inside a metallic tank with its primary and secondary windings around it. The primary conductor is enclosed by a capacitive bushing consisting of shields and layers of insulating paper filled with oil. There is an oil compensating system that effectively regulates changes in oil volume mainly caused by temperature. The oil can be analyzed through an oil sampling valve located on the tank.

OPTIONS:

- > Porcelain or silicone rubber insulator.
- > Terminal for main insulation monitoring (tangent δ measurement).

RANGE

This series is named with the letters UTY followed by 2 or 3 numbers indicating the maximum service voltage for which they have been designed.

The table shows the range currently manufactured by ARTECHE. These characteristics are merely indicative. ARTECHE can manufacture these transformers to comply with any domestic or international standard.

Oil-paper insulation > Model UTY

Model	Highest Voltage (kV)	Rated insulation level			Max. Power Output per phase (KVA)	Standard creepage distance (mm)
		Power frequency (kV)	Lightning impulse (BIL) (kVp)	Switching impulse (kVp)		
UTY-72	72.5	140	325	-	10	1825
UTY-145	145	275	650	-	16	3625
UTY-245	245	460	1050	-	10	6125