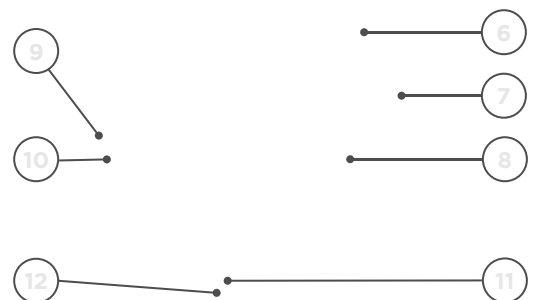
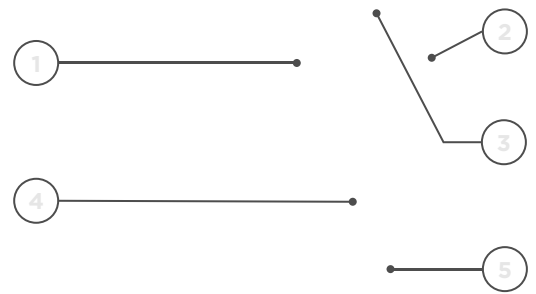


UTP SERIES

Oil-paper insulation:
model UTP up to 362 kV
and 333 kVA.

1. Oil level indicator
2. Primary terminal
3. Oil volume compensating system
4. Capacitive bushing
5. Insulator
6. Primary winding
7. Core
8. Secondary windings
9. Secondary terminals
10. Secondary terminal box
11. Oil sampling valve
12. 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).
- › Inner temperature monitoring sensor.
- › Over-pressure relief valve with connection capability to SCADA system.
- › Additional secondaries for measuring and/or protection.
- › Taps for voltage regulation.

RANGE

This series is named with the letters UTP followed by 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 UTP

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)		
UTP-123	123	230	550	-	100	4525
UTP-145	145	275	650	-	100	4525
UTP-170	170	325	750	-	100	5285
UTP-245	245	395	900	-	333	6125
		460	1050			
UTP-362	362	510	1175	950	167	9050
		575	1300			