

AUTO TRANSFORMERS



Auto transformers, unlike power transformers, have an electrically connected primary and secondary circuit. The primary and secondary circuits therefore have a number of winding turns in common resulting in smaller and lighter weight units than a power transformer for a given rating.

Auto transformers are frequently used in power applications to interconnect systems operating at different voltage classes, for example 132kV to 66kV for transmission.

Ampcontrol's auto transformers are engineered to provide the most appropriate technical solution to a project including electrical and mechanical aspects of the design, along with ease of installation and maintenance, on-line monitoring and durable corrosion protection.

With a focus on providing maximum reliability, durability and efficiency for our customers Ampcontrol's transformers are engineered and manufactured within our ISO9001 accredited Australian facility and stringently tested to AS standards in our fully equipped transformer test bay.

Specifications

- Primary voltages - up to 132kV
- Secondary voltages – up to 66kV
- Tertiary windings – loaded or unloaded
- Ratings – 2MVA to 75MVA

- Temperature ranges – In accordance with IEC and AS60076 with designs for a higher ambient or higher operating temperatures on request
- On load, off circuit or multiple tap switches
- Open bushings, cable box or plug in terminals
- On line monitoring
- On line drying

FEATURES

- Auto connected winding
- Conservator type (sealed or free breathing)
- Nitrogen cushioned sealed type
- High flash point fluid (natural ester, synthetic ester, silicone)
- Long life, durable paint system for corrosion protection
- Stainless steel control cabinets



1300 267 373

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