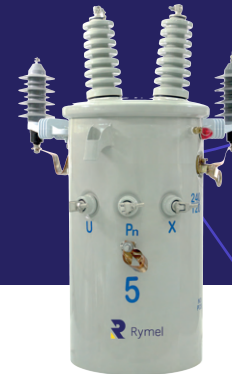




CONVENTIONAL AND SELF-PROTECTED TRANSFORMERS



Conventional and self-protected transformers are essential in medium voltage power networks, serving both residential and industrial areas. Installed outdoors on poles or substation floors, they feature special bushings for overhead line connections. Immersed in dielectric oil, these transformers efficiently dissipate heat while providing excellent insulation.

Rymel's transformers feature high-quality steel tanks, coated with durable paint to ensure longevity, especially in outdoor or harsh environments.

With over 40 years of industry experience, Rymel offers a complete line of transformers designed with safety as a priority. Certified manufacturing processes guarantee reliability and adherence to quality standards, meeting ISO and BASC requirements. These transformers are crafted using advanced technology and high-quality materials to provide reliable solutions that meet customer needs.

These self-protected transformers offer exceptional security and reliability for electrical networks. They are designed with built-in protection elements from the start, eliminating the need for additional protective devices and reducing installation costs. Unlike conventional transformers, self-protected models are equipped with features that isolate the transformer from the network in the event of a failure. They provide protection against overvoltages, overloads, and external short circuits, and include a pilot light that activates during switch operation or in the event of a temporary overload.



FEATURES

TECHNICAL CHARACTERISTICS		
	ONE PHASE	THREE PHASES
CAPACITY	From 5 kVA up to 500 kVA	From 15 kVA up to 5000 kVA
PHASES	1	3
TENSION	Up to 46 kV	
BIL	Up to 250 kV	
WINDING MATERIAL	Aluminum or copper	
COOLING CLASS	ONAN-KNAN	ONAN-ONAF
FREQUENCY	60 / 50 Hz	
TAP CHANGER	± 2, 2.5% or according to customer requirements.	
TEMPERATURE RAISE	Typically 65/65°C, or according to customer requirements.	
K FACTOR	K1, K2, K4, K6, K9, K13, K20 or according to customer requirements.	
TYPE OF EFFICIENCY	A, B, C or D; DOE	
TYPE OF INSULATION	Mineral or Biodegradable.	
TANK	Manufactured with Cold Rolled and Hot Rolled sheet steel with a design that allows it to withstand internal pressure and mechanical stress, or stainless steel.	
PAINT SYSTEM	Special electrostatic paint of great resistance and durability, especially for outdoors and corrosive environments.	
GASKET	Highly durable and compatible with dielectric oil, to guarantee the life of the equipment.	
ACCESORIES	<ul style="list-style-type: none"> - High and low tension bushings - Overpressure valve - Oil level: Inside marking or sight glass - Recirculation, drainage and sampling valve - Neutral and tank grounding - Post lifting and fixing device - Nameplate made of high-strength anodized aluminum - Tap changer 	
ADDITIONAL ACCESORIES	<ul style="list-style-type: none"> - Low voltage or high voltage thermomagnetic switch. - Internal fuse on the high voltage side. - Fault Indicator Pilot Light. - Operating lever for opening and closing. - Surge arresters (optional). 	
STANDARD	International IEC 60076 and IEEE C57.12.00	

