



SUBMERSIBLE DISTRIBUTION TRANSFORMERS



Rymel occasionally submerged transformers are designed for underground installations (vaults) exposed to flooding conditions. These transformers feature tanks manufactured from high-quality stainless steel with an electrostatic paint coating, providing excellent resistance and durability in corrosive environments. They are equipped with dead-front bushings and specially designed protection and switching elements located on the tank lid, allowing safe operation using a hot stick from the surface, even under flooded conditions.

TECHNICAL CHARACTERISTICS		
PHASE TYPE	ONE PHASE	THREE PHASES
POWER	From 25 kVA up to 500 kVA	From 30 kVA up to 2500 kVA
PHASES	1	3
VOLTAGE CLASS	Up to 36 kV	
BIL	Up to 150 kV	
WINDING MATERIAL	Aluminum or copper	
COOLING CLASS	ONAN - KNAN	
FREQUENCY	60 / 50 Hz	
TAP CHANGER	± 2, 2.5% or according to customer requirements.	
TYPE	Radial or Loop Feed.	
TEMPERATURE RAISE	55 °C / 55 °C	
TYPE OF EFFICIENCY	Class 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 with stainless steel.	
PAINT SYSTEM	Special electrostatic paint of great resistance and durability, especially for outdoors and corrosive environments.	
LID	Lid made of welded or bolted stainless steel, with a design that prevents the accumulation of water on its surface.	
ACCESSORIES	<ul style="list-style-type: none"> - Dead-front type bushings (weldable well type) - Low-voltage bushings with threaded stud - Support for parking hubs - Low-voltage terminal connectors - Special overpressure valve for submersible equipment - Oil level gauge - Drain valve - Grounding connector - Lifting and fixing devices - Nameplate made of high-strength anodized aluminum - Thermometer - Tap changer - Removable and interchangeable Bay-O-Net type fuses - Built-in current-limiting fuses - DPS or elbow-type surge arresters - Load-break disconnecter operable under load 	
ELEMENTS OF PROTECTION AND MANEUVER	<ul style="list-style-type: none"> - Removable and interchangeable Bay-O-Net type fuses, which protect equipment against extreme network failures and overloads. - Built-in limiting fuses that protect the primary network from high current faults in the windings. - DPS or elbow-type overvoltage arresters, which protects the equipment against overvoltages produced in the network. - Disconnecter with opening capacity under load, which allows maneuvering operations. 	
STANDARD	NTC 4406, IEEE C57.12.24, IEEE C57.12.23, RETIE.	

For more information, please contact a Rymel representative.