Rymel

# SWITCHGEAR BOXES


The Rymel brand switchgear line offers highly safe, insulated, and oil-cooled equipment for medium-voltage underground systems, excelling in sectionalizing operations under load.

Available in Pedestal and submersible types for single-phase and three-phase circuits, they feature control boxes with inputs, outputs, and multiple derivations.

Equipped with On-Off type disconnectors for easy open-close operations, Rymel brand control boxes have a durable outer surface resistant to aggressive environments. Terminals of the dead front type ensure no exposed energized parts, enhancing reliability and versatility for various medium voltage network applications.

### SWITCHGEAR BOX

**These type of switchgear are used in underground distribution systems**, installed on a base or concrete slab called a pedestal and that have built-in control elements. The equipment has dead front type terminals, that is, it does not have exposed energized parts and is located inside a cabinet, with compartments sealed with a safety plate.

### SWITCHGEAR SUBMERSIBLE TYPE

**This switchgear is designed for underground installations prone to flooding.** Its special surface and high IP protection degree enable it to operate underwater and withstand saline and aggressive environments. Terminals and operation mechanisms are conveniently located in the upper part of the tank for easy installation. Maneuvering operations can be performed using a pole from the surface to sidewalk level, even in flooded conditions.

For more information, please contact a Rymel Consultant

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| TECHNICAL CHARACTERISTICS | | |
|---|---|---|
| | **SWITCHGEAR BOX** | **SWITCHGEAR SUBMERSIBLE** |
| **CURRENT CAPACITY** | 200 a 600 A | |
| **WAYS** | Up to 6 ways | |
| **PHASES** | 1 or 3 | |
| **TENSION** | Up to 36 kV | |
| **BIL** | Up to 200 kV | |
| **WINDING MATERIAL** | Copper | |
| **TEMPERATURE RAISE** | Typically 65/65 °C, or according to customer requirements. | 65 °C |
| **TYPE OF INSULATION** | Mineral or Biodegradable. | |
| **TANK** | Manufactured with cold rolled and hot rolled sheet steel with a desing that allows it to withstand internal pressure and mechanical syress. Or with stainless steel. | |
| **PAINT SYSTEM** | Special electrostatic paint of great resistance and durability, especially for outdoors and corrosive enviroments. | |
| **LID** | - | Lid made of welded or bolted stainless steel, with a design that prevents the accumulation of water on its surface. |
| **GASKETS** | Highly durable and compatible with dialectric oil, to guarantee thelife of the equipment. | - |
| **ACCESSORIES** | - Dielectric Dead Front Type High Tension Bushings. (Pozuelos and inserts or integral and premolded elbows).<br>- Support for parking hubs.<br>- Overpressure valve.<br>- ON/OFF disconnector of 200 or 600 AMP operable under load.<br>- Oil level gauge.<br>- Recirculation, drainage and sampling valve.<br>- Grounded.<br>- Lifting and fixing devices.<br>- Nameplate made of high-strength anodized aluminum.<br>- Cabinets with door and security plate.<br>- Disconnector with opening capacity under load, which allows maneuvering operations . | - Dielectric Dead Front Type High Tension Bushings. (Pozuelos and inserts or integral and premolded elbows).<br>- Support for parking hubs.<br>- Overpressure valve.<br>- ON/OFF disconnector of 200 or 600 AMP operable under load.<br>- Oil level gauge.<br>- Válvula de drenaje.<br>- Grounded.<br>- Lifting and fixing devices.<br>- Nameplate made of high-strength anodized aluminum. |
| **STANDARD** | IEEE C37.74-2014, IEEE C37.30.3-2018, IEEE 386-2016, IEC 62271-102, IEC 62271-103. | |