

Maschinenfabrik Reinhausen (MR) Products









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On Load Tap Changers (OLTC):

		
<p>The VACUTAP® VR®</p> <p>The world's first on-load tap-changer which is maintenance-free up to 300,000 switching operations. Since its maintenance is no time-dependent, your transformer has much less downtime.</p>	<p>VACUTAP® VM®</p> <p>Fully retrofittable and 100% connection-compatible with the OILTAP® M, of which there are over 70,000 in existence. All you have to do is dismantle the old diverter switch and fit the new VM® model.</p>	<p>VACUTAP® VV®</p> <p>Already operates throughout the world. It's maintenance-free up to 300,000 operations and suitable for most network applications. Thus your transformer lifecycle costs are reduced significantly.</p>
		
<p>OILTAP® R</p> <p>The on-load tap-changer for the highest voltages and transformer output rates.</p>	<p>OILTAP® M</p> <p>The on-load tap-changer allowing the widest and most comprehensive scope of applications: From transformers with medium output rates to large power transformers, process transformers subject to the highest levels of stress, special transformers.</p>	<p>OILTAP® V</p> <p>An exceptionally compact on-load tapchanger for tapped transformers with small to medium output rates.</p>




Voltage Regulators:

		
<p>ISM® TECHNOLOGY</p> <ul style="list-style-type: none"> • Latest communication technology • New intuitive operation, cutting-edge graphical display - ISM® Intuitive Control Interface (IICI) • Prepared for new applications and the challenges of the future • Maximum operational reliability and data security 	<p>TAPCON® 240-LV</p> <p>The “Limit Volt” System for monitoring the regulated distance in a HV transformer. The main functions of the TAPCON® 240-LV are:</p> <ul style="list-style-type: none"> • Monitoring the regulated mains voltage (under- and overvoltage) • Monitoring of voltage changes initiated by tap-change operations • Monitoring the Electronic motor drive ED (under/overvoltage) 	<p>TAPCON® 230</p> <p>Measurement, control and regulation – the TAPCON® 230 voltage regulator provides all these functions in one device. Regardless of whether simple regulation tasks or complex requirements for a modern transformer control device, the TAPCON® 230 can be used flexibly and completes all tasks reliably. It is a real all-around worker that offers the highest level of operating convenience.</p>




Motor Drive Units & OLTC Accessories:

		
<p>OIL FILTER UNIT OF 100</p> <ul style="list-style-type: none"> • paper filter design to clean the switching oil • 2 pump unit designs available • combination filter design to clean and dry the switching oil • 2 designs for controlling the pump unit • control integrated into separate control cabinet • control integrated into the ED motor drive 	<p>PROTECTIVE RELAY RS2001</p> <p>The protective relay is designed to protect the on-load tap-changer and the transformer during a malfunction within the on-load tap-changer or the selector switch oil compartment.</p>	<p>TAPMOTION® ED</p> <p>TAPMOTION® ED is used exclusively for operating on-load tap-changers and off-circuit tap-changers in regulating transformers as well as for operating plunger-core earth-fault neutralizers.</p>

Transformer Accessories:

		
<p>BeTech</p> <ul style="list-style-type: none"> • Thermometer with bellow-type technology • Extremely durable and reliable • No readjustment or recalibration ever needed • Contacts individually adjustable • Compensation of ambient temperature • Laminated safety glass viewing glass with built-in UV filter 	<p>Trasy2 – Series</p> <ul style="list-style-type: none"> • Bourdon tube measuring system with no additional mechanical parts • Extremely durable and reliable; No readjustment or recalibration ever needed • Quick and easy configuration of gradients via DIP switches in the ZT-F2.1 (thermal image of winding temperature) • Automatic compensation of ambient temperature • Laminated safety glass viewing glass with built-in UV filter 	<p>Compact – Series</p> <ul style="list-style-type: none"> • Bourdon tube measuring system with no additional mechanical parts • Extremely durable and reliable; no readjustment or recalibration ever needed • Quick and easy configuration of gradients via potentiometer (thermal image of winding temperature) • Laminated safety glass viewing glass with built-in UV filter

Dehydrating Breather:

		
<p>MTRAB® DB100</p> <ul style="list-style-type: none"> • Maintenance-free • Use of glass cylinders for optimizing the regeneration process and for excellent weather resistance • DIN flange for optimal mounting • Test button for performing self-tests • Optional: Offshore model, filter heater for use in temperatures as low as -50 °C and a data logger, Protection of the electrical lines from damage (such as gnawing by animals) 	<p>MTRAB® DB200</p> <ul style="list-style-type: none"> • Maintenance-free • Use of glass cylinders for optimizing the regeneration process and for excellent weather resistance • DIN flange for optimal mounting • Test button for performing self-tests • Optional: Offshore model, filter heater for use in temperatures as low as -50 °C and a data logger, Protection of the electrical lines from damage (such as gnawing by animals) 	<p>MTRAB® DB200D</p> <ul style="list-style-type: none"> • Maintenance-free • Use of glass cylinders for optimizing the regeneration process and for excellent weather resistance • DIN flange for optimal mounting • Test button for performing self-tests • Optional: Offshore version, filter heater for use in temperatures as low as -50 °C and a data logger, Protection of the electrical lines from damage (such as gnawing by animals)