

OILTAP[®] MSE 340.
VACUTAP[®] VME 340.



RETROFIT FOR EXCHANGE
OF RS TAP CHANGERS.

TRANSFORMER CONTROL



TAP CHANGER EXCHANGE SAVES COSTS.

Numerous energy supply companies in the region of the former Council for Mutual Economic Assistance (COMECON) have been using on-load tap-changers made in Bulgaria for decades. Many of these units have reached the end of their service life by now, but the transformer is still in good enough condition. The question of an adequate replacement arises.

MR offers professional replacement solutions which have proven themselves in real life. Instead of the standard type RS tap changer, MR offers with the products OILTAP® MSE the conventional oil switching technology or with the VACUTAP® VME the state of the art vacuum switching technology at identical outline dimensions. Together with a new motor drive unit TAPMOTION® ED, the transformer is ready for many more years of operation. If you want to invest more in your future, you should consider using the TAPCON® voltage regulator of MR.



The advantages of the MR solutions:

- First-class quality
- Proven reliability
- Established motor drive unit TAPMOTION® ED
- Can be used without further adjustment of the transformer tank and only minor adaptations of the transformer connection leads
- Replacement possible within one day
- Easier maintenance
- Longer maintenance intervals with the OILTAP® MSE
- No need of maintenance with VACUTAP® VME up to 300.000 operations
- Comprehensive after-sales service
- Reasonable price

	OILTAP® MSE	VACUTAP® VME
Max. rated through-current I_{um}	340 A (three-phase)	340 A (three-phase)
Max. rated step voltage U_{im}	3300 V	3300 V
Max. rated switching capacity	1000 kVA (three-phase)	1000 kVA (three-phase)
Voltage for equipment U_m	72.5/123 kV	72.5/123 kV
Application	At neutral point (three-phase)	At neutral point (three-phase)
Operating positions		
Without change-over selector	Max. 14	Max. 14
With change-over selector	Max. 27	Max. 27
Tap selector size "B"	With coarse selector or reversing switch	With coarse selector or reversing switch
Maintenance intervall	100,000 operations without MR oilfilter unit 150,000 operations with MR oilfilter unit or 7 years whatever comes first	300,000 operations without time criteria

INSTALLATION OF THE RETROFIT KIT.



Step 1
Disconnecting, grounding,
oil draining and opening the
transformer man hole.



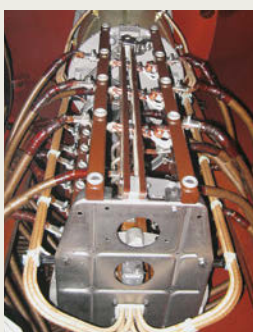
Step 2
Disconnecting and marking the
outside selector leads.



Step 3
Removing the old OLTC.



Step 4
Installing the new MSE/VME
OLTC.



Step 5
Adapting and connecting
the outside selector leads.



Step 6
Assembling the motor drive
unit, bevel gear, drive shaft and
protective relay.



Step 7
Transformer ratio test, oil
filling, drying procedure
and operational test.

CONTACT:

You are interested in an exchange?
Our competent staff is at your
disposal for any questions.

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Please note:

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THE POWER BEHIND POWER.

