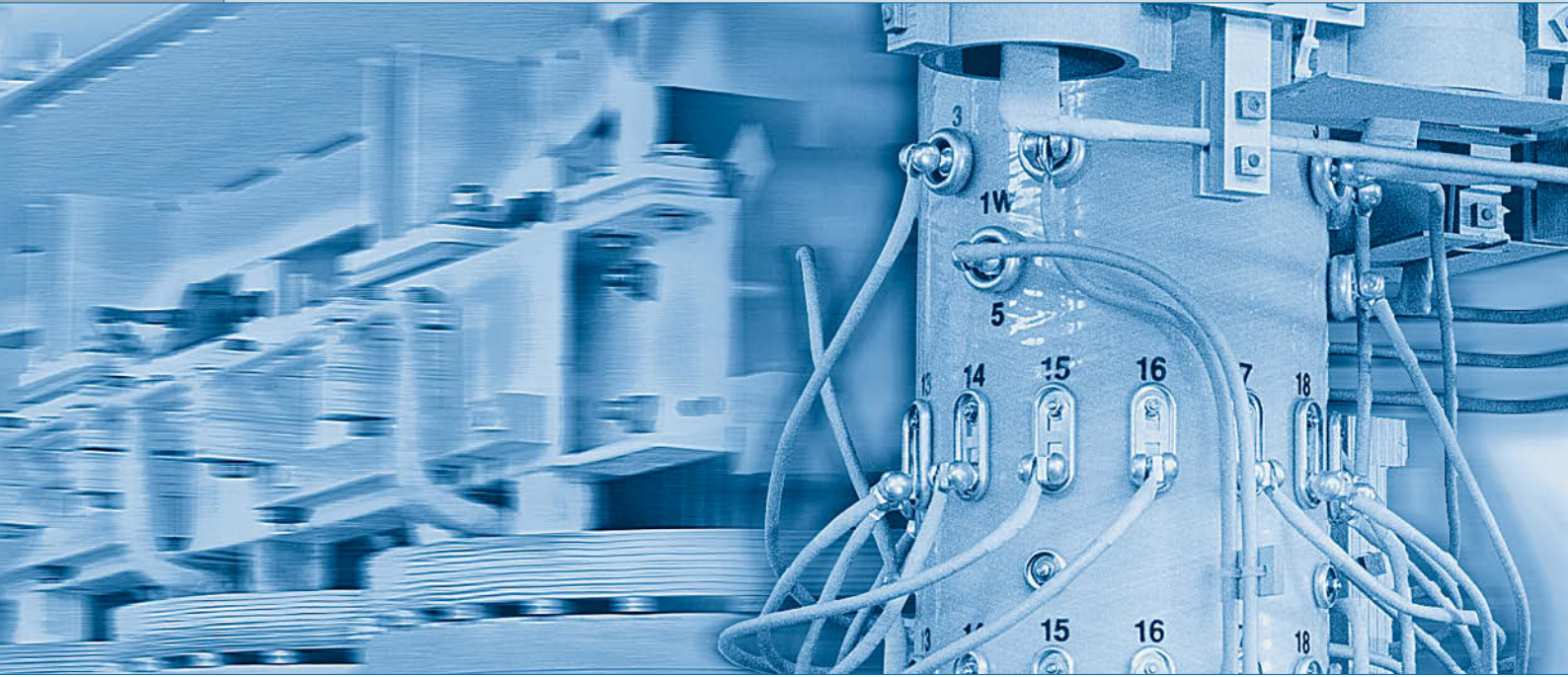


# OILTAP® V

On-Load Tap-Changer  
for Regulating Transformers

[www.reinhausen.com](http://www.reinhausen.com)





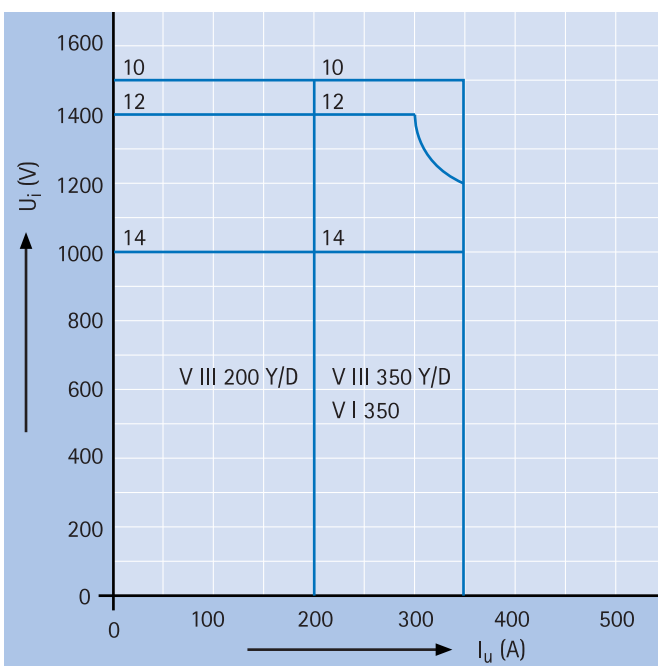
## Our proven multi-talent

Wide variety of applications, robust and economical design – those are the main features of the OILTAP® V on-load tap-changer (OLTC). These qualities have made it to one of our classic products. Since 1979, more than twenty thousand units have been operating reliable around the globe. The best demonstration of the well-known MR quality.

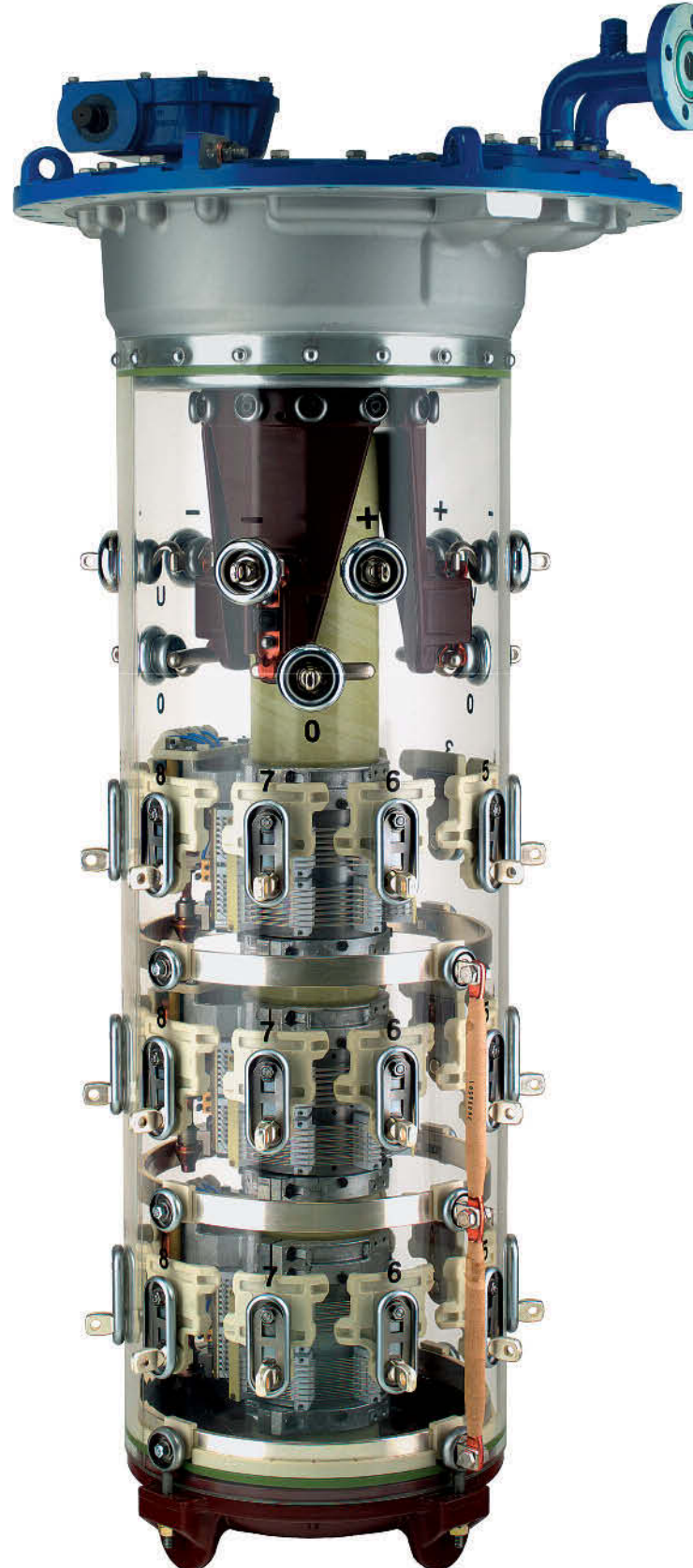
### The main variants and features:

- Star point OLTC for 200 A and 350 A.
- Three-phase OLTC, fully insulated for 200 A and 350 A (for delta connected windings and autotransformers)
- Single-phase OLTC for 350 A
- Special design for 400 A on request
- Compact design
- Simple drive mechanics
- Easy handling
- Also available for bell-type transformers
- Low maintenance demand due to long contact life
- Easy remove of the selector switch insert
- Simple adjustment and monitoring

OLTC	V III 200 Y/D			V III 350 Y/D, VI 350			
Contacts	10	12	14	10	12	14	14
$I_u$ (A)	200	200	200	350	300	350	350
$U_i$ (V)	1500	1400	1000	1500	1400	1200	1000
$P_{StN}$ (kVA)	300	280	200	525	420	420	350



Rated through-currents ( $I_u$ ), relevant rated step voltages ( $U_i$ ) and rated switching capacities ( $P_{StN}$ ) at highest and lowest rated step voltage.





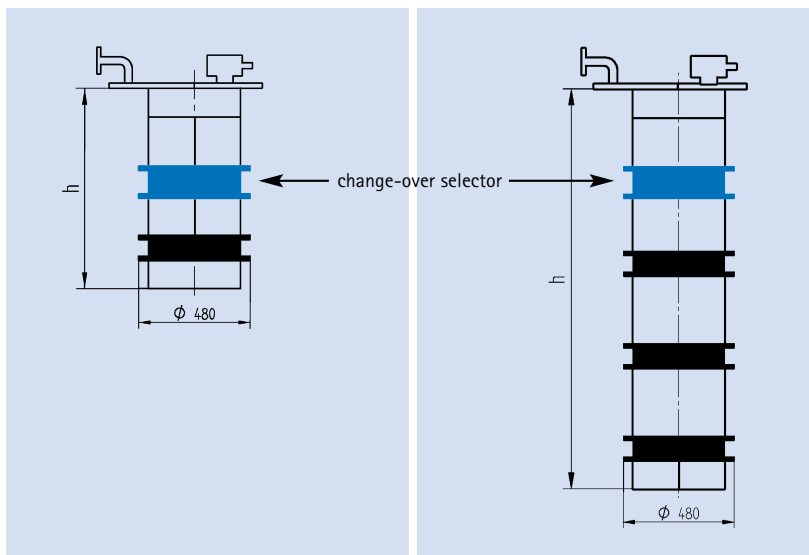
## Technical data of OILTAP® V

On-load tap-changer	V III 200 Y	V III 200 D	V III 350 Y	V III 350 D	V I 350
Number of poles and application	3 neutral point	3 at any point on the winding	3 neutral point	3 at any point on the winding	1
Max. rated through-current $I_{um}$ (in A)	200		350		
Rated short-time withstand current (in kA)	4		5		
Rated short-circuit duration (in s)	3		3		
Rated peak withstand current (in kA)	10		12.5		
Max. rated step voltage $U_{im}$ (in V)	10 contacts 12 contacts 14 contacts	1500 1400 1000	1500 1200...1400 1000		
Step capacity $P_{StN}$ (in kVA)	10 contacts 12 contacts 14 contacts	300 280 200	525 420 350		
Rated frequency (in Hz)	50...60				
Operating positions	without change-over selector: max. of 14 with change-over selector: max. of 27				
Rated insulation level Highest voltage for equipment $U_m$ (in kV) Highest operating voltage $U_b$ (phase-phase) on diverter switch (in kV)	40 76 123	40 76 123/76	40 76 123	40 76 123/76	40 76
	40 76 123	30 55 79	40 76 123	30 55 79	30 55
Rated lightning impulse withstand voltage (in kV, 1.2/50) AC withstand voltage (in kV, 50 Hz, 1 min.)	$U_m$ 40 200 70	$U_m$ 76 350 140	$U_m$ 123 550 230	$U_m$ 123/76 550 230	

OILTAP® V I 350  
with/without change-over selector

OILTAP® V III 200/350, Y/D  
with/without change-over selector

Installation length (h) in mm



On-load tap-changer	$U_m$ (kV)	Installation length (h) in mm	
		without change-over selector	with change-over selector
V I 350	40	708	863
	76	708	863
V III 200 D	40	1288	1453
	76 123/76	1348 1618	1573 2003
V III 350 D	40	1388	1613
	76 123/76	1508 1778	1733 2163
V III 200 Y	40	1088	1243
	76	1088	1243
	123	1158	1381
V III 350 Y	40	1188	1343
	76	1188	1343
	123	1258	1481

