Transformer Breather Selection Guide

The following data should be used for the basic selection of a transformer breather.

In order to assess the size of the breather the air volume above the oil in the conservator tank is the most important factor. The quantity of oil and the transformer rating is of secondary importance.

The daily breathing rate is based on the assumption that there are two temperature drops of 8°C per 24 hours. The breathing volume change which occurs during the pump start-up is not taken into consideration.

Double & triple units are available upon request.

Size	Max. Oil Contents (Litres)	Approx. Transformer Rating (MVA)	Max. Air Space Volume (Litres)	Approx. Daily Breathing Rate (Litres)	Max. Air Volume before Recharge (Litres)	Approx. Charge Life (Days)
R	1500	<1.25	230	15	6000	400
R1	3000	3	500	30	12000	400
R2	4750	6	1100	55	20000	400
S	1130	1.5	285	17.5	7100	400
T	2250	3	570	35	14200	400
U	4500	6	1220	70	28400	400
V	11350	9	2400	140	45450	320
W	22700	30	4800	280	90900	320
X	34050	60	7250	420	136500	320
Y	45450	100	9685	570	181800	320
Z	68150	180	14500	840	272700	320
YY	90900	240	19370	1140	363600	320
ZZ	136300	500	29000	1680	545400	320
YYY	136350	500	29055	1710	545400	320
ZZZ	204450	750	38750	2280	818100	320

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