



使用注意事項/維護保養須知 >>>>

Cautions for Installation / Maintenance

1. 維護及保養工作必須在電容器切離電源五分鐘之後，再經接地放電後才能進行。
2. 應與易燃物隔離，裝設於無劇烈振動、乾燥、防塵、周圍溫度在50°C以下，通風良好之處所。
3. 裝置時每台間應保持8公分以上距離，以利通風散熱。
4. 請勿提套管搬運，不可使用銅板並聯接線。
5. 請依法規規定接地，確保安全。
6. 每台電容器應有個別熔絲保護，其容量規格應選用電容器額定電流之1.65~2.5倍。
7. 電容器切離後5分鐘以上，才可再投入，以免重疊電壓破壞電容器。
8. 注意周圍溫度(50°C以下)、熱源之輻射，及通風設施之良否。
9. 檢視電容器使用電壓及電流是否正常。(若控制盤可檢視此數據者)
10. 清除套管表面灰塵。
11. 確認所有電氣連接是否鎖緊，接觸是否良好。
12. 檢查電容器套管及外殼是否漏油。
13. 檢查保護熔絲，若有熔絲動作或電容器已發生異常，用電容錶量測電容器狀況。
14. 電容量測

- a. 電容器經完全放電後，以直讀式容量計測量
- b. 量測端子間容量，得下列三個數據。
 $U-V=a$ $V-W=b$ $U-W=c$
總容量 $=(a+b+c) \times 2 \div 3$
- c. 正常情形容容量量測值 $a \doteq b \doteq c$
總容量在標準值容量誤差範圍內。



1. To perform maintenance work must be after the capacitors de-energized for 5 minutes and then use grounded cable to short circuit capacitor terminals till no charges.
2. The capacitor should be secluded from combustibile material, and be installed on non-vibration, dry, dustproof, and good ventilated environment with maximum ambient temperature 50°C.
3. The distance between capacitors must be more than 80mm to get good ventilation and heat dissipation.
4. Do not lift or move capacitor by its bushings. Do not use copper bus bars for parallel connection.
5. Properly grounding for safety according local rules.
6. Capacitor should be equipped individual protected fuse(s). The rating current of the fuse should be 1.65 to 2.5 times of capacitor rating current.
7. To avoid capacitor damaged by superposed voltage, switch in capacitor must be after capacitor disconnected for more than 5 minutes.
8. Check ambient temperature (max. 50°C), heat radiation, and ventilation.
9. Check operation voltage and current from capacitor control panel (if available)
10. Clean all bushings
11. Make sure all electrical connections are tight.
12. Inspect all capacitor bushings and tanks for leaks.
13. Inspect all fuse cutouts, and if a fuse cutout has operated or if the capacitors have been subjected to unusual operating conditions use capacitance meter to check the condition of all capacitors.
14. Capacitance measurement
 - a. Measure by capacitance meter after the capacitor de-energized.
 - b. Measure the capacitance(s) between terminal to terminal to get 3 measured value as followings:
 $U-V=a$ $V-W=b$ $U-W=c$
Total capacitance $=(a+b+c) \times 2 \div 3$
 - c. Normally the measured values are $a \doteq b \doteq c$
The measured total capacitance should be within the tolerance range of rating value.