Water Cooling Station
SVC Cooling Station

NCL

SVC Cooling Station NCL

SVC Cooling Station NCL is designed primarily for static var compensator and HVDC/HVAC where medium and high voltages are used. The cooling power and coolant flow can be chosen in wide range to optimize the station for each purpose. Critical functions like pump and if necessary also sensors and control system can be duplicated giving high reliability.

NCL

Operation:

The cooling station circulates coolant between cooled power electronics and heat exchanger. The station can be connected to internal water to water or external water to air heat exchanger. Control system gives full operational information locally on touch panel and by fieldbus connection to upper control system. Water treatment is used to purify and keep the coolant conductivity under the limit value for medium and high voltage systems. In cold conditions glycol can be added to the coolant.

Benefits

- Variety of requirements in medium and high voltage applications can be fulfilled
- Fast and easy commissioning and service
  - Minimum amount of on-site cabling and installation work
  - Automatic de-aeration
  - Visual coolant level indication
- Stainless steel industrial pump and copper free materials ensure long and reliable function
- Easy handling and minimum risk of leakage due to simple construction

Technical details

Cooling capacity	500...2000 kW
Coolant flow	600...2000l/min
Supply voltage	3 x380-415 VAC, 50 Hz
	3 x 380-480 VAC, 60Hz
Expansion tank	400 liters, stainless steel
Water connections	DN80/ DN100 flanges
Instrumentation	Temperature sensor
	Pressure sensor
	Coolant level indicator
	Coolant level alarm
	Coolant treatment
Materials	Stainless steel
	Hi-tech plastics
	No surface coatings
Coolant	Water
	De-ionized water
	Water glycol mixtures