



Installation details

Model: Vulcan S100
 Installation Area: cooling tower for 100RT turbo chiller, 24-hour yearly operation
 Circulation Water Capacity: 120 m³/h
 Pipe Diameter: 150 mm
 Effect: chemical treatment reduced

Full Chemical-treatment vs. Vulcan-treatment Indicates:

Under 1 year, with Vulcan treatment is already less costly than full chemical treatment

Cost reduction by Vulcan 10-year warranty:

	without Vulcan	with Vulcan S100	savings
	water and electricity charges	water and electricity charges	
	sterilization / anti-algae products	sterilization / anti-algae products	
	anti-scale chemical treatment		
	maintenance cost		
1st year	39,902 USD	35,386 USD	4,561 USD
2nd year	79,804 USD	66,541 USD	13,263 USD
3rd year	119,706 USD	97,700 USD	22,006 USD
5th year	199,510 USD	160,014 USD	39,496 USD
10th year	399,020 USD	315,807 USD	83,213 USD

Further benefits

Electric saving: about 5-15%, by the scale prevention on the turbo chiller

Gas saving: about 5-25%, by the scale prevention on the absorption chiller

Equipment life extension: about 30-60%