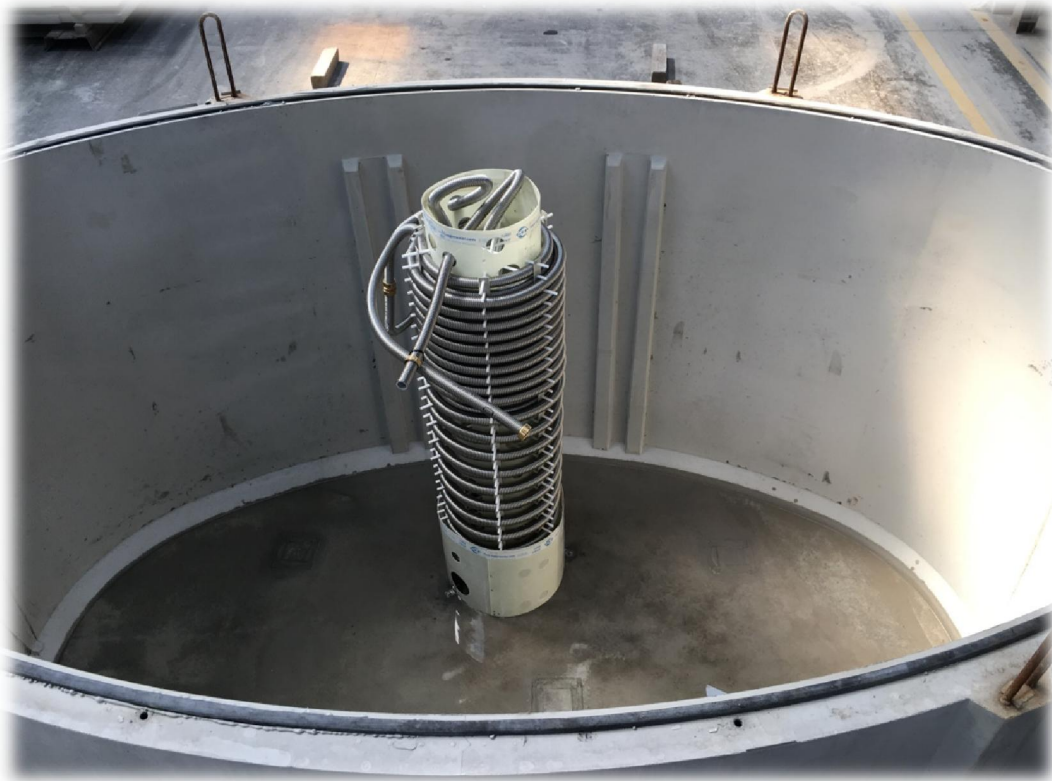


Concrete heat storage tanks



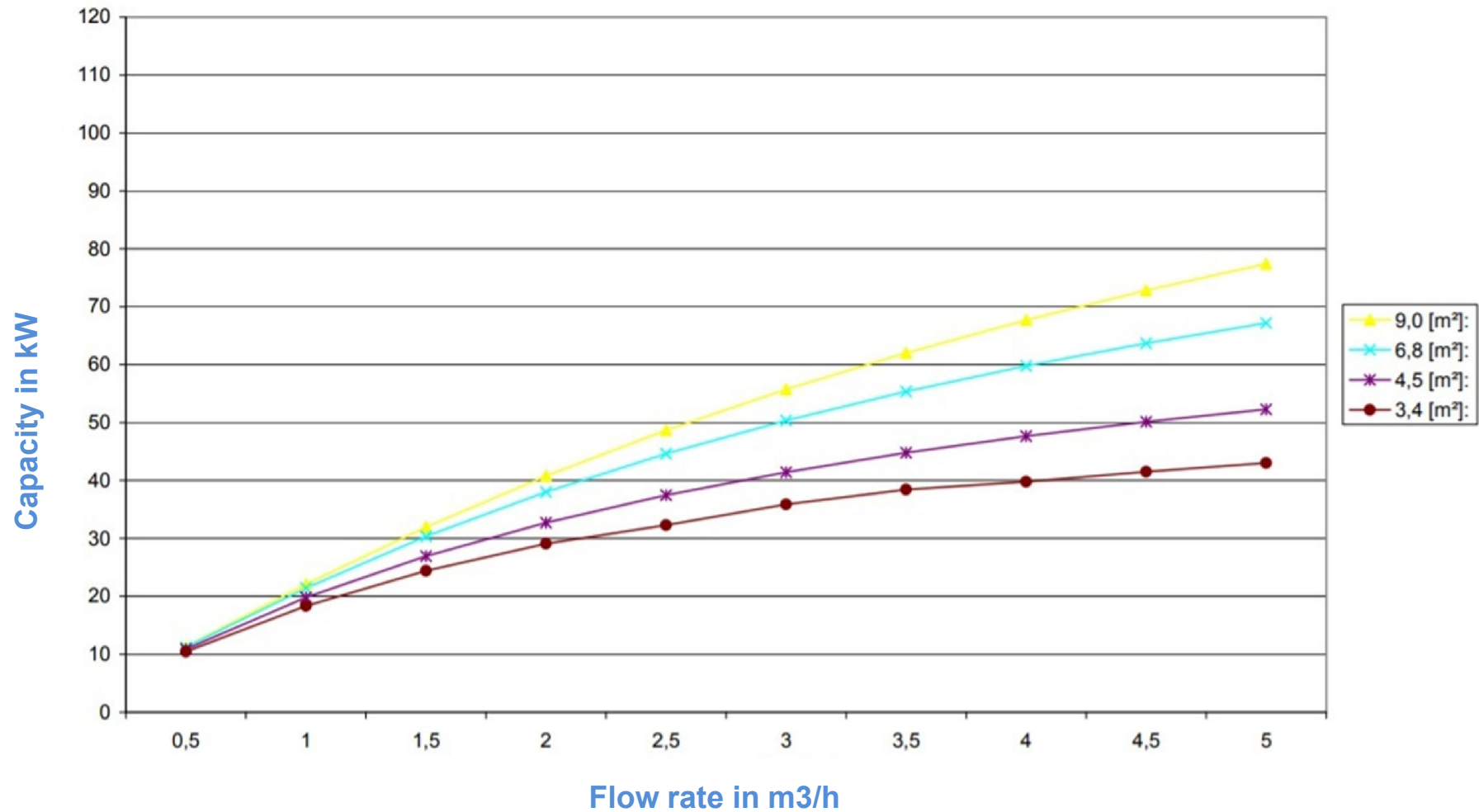
Two concrete rainwater tanks of each 20.000 Liter are equipped with a vertical heat exchange system. This system is made out of stainless steel and polyester because of the possible high temperatures. The concrete tank is made out of high quality C35/45 concrete.

Concrete heat storage tanks



Each heat exchange system consists out of 2 stainless steel tubes with a surface of approx. 9 m² per piece. This means a total of 18 m² per rainwater tank. The two tanks are equipped with a high and low connection in order to make use of the temperature difference between the bottom and the top of the tank.

Concrete heat storage tanks



Each tank with this heat exchange system has a capacity of approx. 120 kWatt at a delta T of 10k. This means a total of approx. 240 kWatt at a flow rate of 3,5 m³/h.

Concrete heat storage tanks



The tanks are equipped with a class D cover for heavy traffic and a manhole of 600 mm. The connections on the tanks are equipped with a rubber gasket which allows the coupling of the two tanks, these interconnections are placed at several levels to use heat differences at different water levels. The connections of the heat exchange systems are placed at the top of the tank. Two connections per tank with a 6/4" connection.

Concrete heat storage tanks

