

Soft Starters for the Water Industry

Driving Water Pumps

Motor ratings: 3300V, 400A
Mekorot Water Company, Israel



5 Soft Starters 3300V,
1250 & 1500HP



Medium Voltage soft starter for 3.3 KV
at 400A. Five units are installed in the
Rosh-Pina pumping station.

The city of Rosh Pina depends on subterranean aquifers for fresh water. Raising water from these aquifers deep below the earth's surface requires the use of massive pumps driven by medium voltage motors totaling thousands of horse-power.

Solcon HRVS-DN soft starters with their unique pump starting curves eliminated the high inrush current that would otherwise disrupt the power grid. They also eliminated the high starting torque that would shorten the life expectancy of pipes, valves and fittings.

The destructive effect of water hammer is virtually eliminated when using Solcon's specialized pump control stop curves, ensuring lower maintenance cost and downtime. The built in intelligent motor protection package provides enhanced supervision for both the motor and the soft starter, further extending the useful life of the system.

