

Soft starters for the Water Industry

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



5 Soft Starters 3300V, 1250 & 1500 HP

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 intervention of massive pumps driven by medium voltage motors totaling thousands of horsepower.

Using soft -starters, with specialised starting curves, eliminate the high inrush current that would disrupt the power grid, and the high starting torque that would shorten the life expectancy of pipes, valves and fittings. Destructive water hammer is eliminated by macro's Specialised pump control stop curves, ensuring fewer maintenance costs. The built in intelligent Motor Protection Package provides enhanced supervision for both the motor and soft-starter, further lengthening the useful life of the system.



Medium Voltage soft -starter for 3.3KV at 250A. Five units are installed in the Rosh -Pina pumping station.