

PD Series

Chemical Metering Pump

CASE STUDY

LMI Pumps Keep Their Cool



LMI PD0 Series Solenoid
Metering Pump

Opportunity

Chemical metering pumps are prevalent in recreational water treatment applications – namely swimming pools. In the Southwestern United States, many of these chemical metering pumps are installed outside, exposing the pumps to extreme conditions, especially during the summer months when temperatures can exceed 110°F (43°C). Equipment sheds in these areas are not usually air-conditioned and can be substantially warmer. One of LMI's master distributors, JL Wingert, identified a customer's problem where competitive product failed to maintain critical disinfection levels in the pool water and eventually ceased operation due to the harsh environment and higher ambient temperatures. This critical situation left the pool operator with an unsafe condition to deal with: chemicals out of balance could lead to bacteria growth and make pool-goers sick.

Solution

With decades of experience in chemical dosing; JL Wingert educated the customer about the ruggedness and reliability of the LMI solenoid metering pumps for this water treatment application. The LMI PD series pumps are rated to operate to 122°F / 50°C and are NEMA 4x and IP65 rated to protect it from harsh weather and extreme conditions. Ultimately, JL Wingert was confident the end-user could rely on LMI for this critical application. Furthermore, the customer found the pump's simplicity to be an additional benefit.

Results

The pool operator replaced the competitive product with LMI PD Series metering pumps which operated reliably and consistently to ensure the pool water remained in chemical balance and safe for swimmers. Given the success, the pool operator is replacing ALL of the competitive product with LMI solenoid-operated metering pumps.

