info@protechg.ae
00971504623756

sources as desalinated seawater or treated waste/drainage water. Regardless of the irrigation method or water source, Protech self-cleaning irrigation filters can help extend the life of, and lower the maintenance on, irrigation systems.

Irrigation systems including sprinkler/overhead, solid-set, center pivot, lateral move, (side roll, wheel line) drip, spray, micro-sprinkler, bubbler, surface/flood (furrow, border strip, or basin) can all

benefit from incorporating a Protech irrigation water filter. Whether water travels through pipes from the water source through valves to sprinklers, or is applied directly to crops (as in flood irrigation), water quality is a fundamental concern.

BENEFITS OF PROTECH'S AGRICULTURAL FILTERS

Use of a Protech self-cleaning filter extends the life-span of valves, mainlines, and lateral lines and ensures quality of the clean water supply. While sand and silt may be a primary concern, it can be equally important to filter organic matter. Algae often grows inside irrigation systems, especially in drip tubes where a buildup of organic matter can reduce flow capacity and trap inorganic debris, reducing and even blocking flow.

Many irrigation systems are divided into zones. Protech irrigation water-filters clean sufficient amounts of source water for application to multiple zones. The continuous and automatic operation of Protech irrigation filters will not interfere with pressure and watering time regulators such as solenoid valves, and irrigation controllers (mechanical or electrical). Protech irrigation filters are most effectively installed in close proximity to the discharge of the system's main pump.

Common requirements for agricultural irrigation dictate a filtration degree ranging from 75-500µ.

MUNICIPAL WASTEWATER FILTERS

Removing contaminants from wastewater is often defined as sewage or wastewater treatment. Protech wastewater filters contribute to water treatment in the municipal sector.

Each municipal water district operates treatment plants to ensure proper handling of wastewater. Treatment plants operate in a challenging environment of constant regulatory change. As quality standards for discharge and reuse applications increase, wastewater facilities must integrate the most efficient water filtration technologies at a demanding rate.

Protech self-cleaning industrial water filters provide the solution, offering dependable water filtration systems which ensure plant effluent quality and/or quality of non-potable water (NPW) for re-use.

SECONDARY OR TERTIARY WASTEWATER FILTERS

Self-cleaning wastewater filters enter the treatment process at the secondary or tertiary phase where levels of organic material and suspended matter are relatively low.