Sigma

Groundbreaking multi-screen polymeric, self-cleaning filter for irrigation

- Unique mechanical components
- Polymeric housing and parts
- Innovative compact design
Based on an innovative compact design, Sigma features a very large filtration area, while maintaining a small footprint compared to alternative filter systems. As a result, the cutting-edge solution significantly lowers infrastructure preparation and installation costs.
Continuously setting the standard in water filtration, Amiad offers Sigma, the latest in its line of cutting-edge, environmentally-friendly and cost-effective water filtration solutions. A multi-screen polymeric, self-cleaning filter powered by an innovative hydraulic turbine, the groundbreaking solution improves filtration across diverse agricultural, greenhouse and landscaping irrigation applications to meet the full range of customer needs. Featuring a compact design, a large filtration area, and durable plastic housing, Sigma significantly lowers users' startup and running costs.

**Sigma Features**

Five filter screens – for creation of a large filtration area relative to its size and handling of high flow rates per area

Suction-scanning screen technology – for automated cleaning only when required

Hydraulic turbine – for reduction of energy consumption

**Sigma Benefits**

**Lower Capital Expenditures (CAPEX)**
- Less infrastructure preparation
- Smaller installation area
- Minimal installation equipment
- Fewer filters and accessories
- No required power source

**Lower Operating Expenditures (OPEX)**
- Lower water consumption
- No maintenance equipment
- Reduced replacement costs
- Lower labor requirements
- Minimal energy consumption

Smart gear – for utilization of less flushing water while continuously filtering

Polymeric housing and internal parts – for increased reliability and durability regardless of water type and chemical presence
Sigma System Architecture

Sigma improves filtration across a range of agricultural, greenhouse and landscaping irrigation applications. Handling high flow rates per area, the corrosion-proof solution is reliable and durable regardless of water source and the presence of chemicals.

Sigma Design

Featuring a lightweight, modular and compact design, Sigma is easy to set up and maintain, and is adaptable to any existing installation.

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