INNOVATIVE DESIGN FOR EFFICIENT AND RELIABLE FILTRATION SYSTEMS.

A California based company, Forsta provides self-cleaning filtration equipment throughout the United States and Internationally.

As a premier manufacturer of self-cleaning water filters, Forsta offers low-maintenance, high-efficiency and dependable equipment to a variety of industries. Forsta’s straightforward approach makes suspended particle removal a simple task for a wide range of water sources and applications. A diverse selection of materials, sizes and configurations mark Forsta’s line of self-cleaning filters as the most versatile in the market.

Engineers at Forsta work closely with customers to assess project parameters. The Forsta commitment is to determine the most comprehensive, cost-effective, and long-lasting filtration solution for every application.

Forsta prides itself in superior customer service, maintaining prompt and thorough communication that spans from inquiry to installation and throughout operation. Design phases are simplified with the inclusion of comprehensive equipment submittal packages.

Forsta's presence in the filtration market has provided great ease to the experience of engineers and end-users alike.

Forsta invites you to become a part of its fast-growing network of highly satisfied customers.
Major industries utilize Forsta self-cleaning water filters. Three central categories describe all filter applications in the field; Industrial, Municipal and Irrigation.

Within each of these categories are nearly limitless variations of water sources, filtration applications, and end uses of filtered water. Forsta answers the needs of each industry with equipment uniquely suited to new design or to accommodate existing pipelines, operating pressures, flow rates and water qualities.

Within Forsta’s Industrial filtration division, equipment has been used to generate improved water for equipment protection/prefiltration, cooling, rinsing, process and effluent streams in facilities including: cooling towers, petrochemical plants, pulp & paper mills, sugar refineries, metal-works, plastics, and food processing factories, power generation and desalination plants, and more. Forsta offers a unique line of industrial filters made from Fiberglass Reinforced Plastic (FRP), ideal for industrial applications using seawater.

In the municipal sector, Forsta self-cleaning equipment is utilized both for drinking and wastewater treatment. For drinking water applications Forsta equipment offers effective prefiltration for finer filter elements such as Reverse Osmosis, Ultrafiltration, Microfiltration etc. Filters used in municipal wastewater facilities are generally specified at the secondary or tertiary stage of treatment.

Forsta’s well-established irrigation department provides self-cleaning water filters for turf, landscape, agriculture, greenhouse, golf course and nursery applications.

Forsta self-cleaning water filters are also applicable in emerging green and blue industries like Aquaculture.
A self-cleaning screen filter is a type of water filter which utilizes system pressure to clean itself. A rigid cylinder screen strains particles from a water source, trapping debris on the inside. This layer of buildup causes differential pressure across the inlet and outlet. A controller monitors the filter and opens a flush valve when it senses adequate differential pressure. This creates rapid flow through the internal cleaning apparatus, which vacuums buildup from the screen and expels it.

A unique characteristic of self-cleaning screen filters is that the backwash cycle does not require the entire system flow to stop and reverse, as is the case for many other types of filters. Instead, a point-of-suction backwash reverses flow across the screen only directly in front of suction nozzles. This allows the cleaning mechanism to scan and clean the screen incrementally without disrupting the main flow through the filter.

Self-cleaning screen filters are used in a variety of applications where continuous water flow is crucial, including industrial equipment protection, irrigation nozzle protection, and municipal water treatment.
SCREEN OPTIONS

**SINTERED MESH ON PERFORATED PLATE**
- Stainless Steel Grades 304L, 316L
- High Flow Wire Mesh
- Reinforced Perforated Plate

**MULTI-LAYERED DIFFUSION BONDED WIRE MESH**
- Stainless Steel Grades 304L, 316L
- Alloy 20, Inconel, Monel
- Outstanding Effective Screen Area
- High Flow Design

**WEDGE WIRE SLOTTED SCREEN**
- Stainless Steel Grades 304L, 316L
- Duplex and Super Duplex Stainless
- Alloy 20, Inconel, Monel
- Ideal for Applications with Fibers
- Extremely Robust Design

**PERFORATED PLATE**
- Stainless Steel Grades 304L, 316L
- Monel
- Ideal for Coarse Filtration