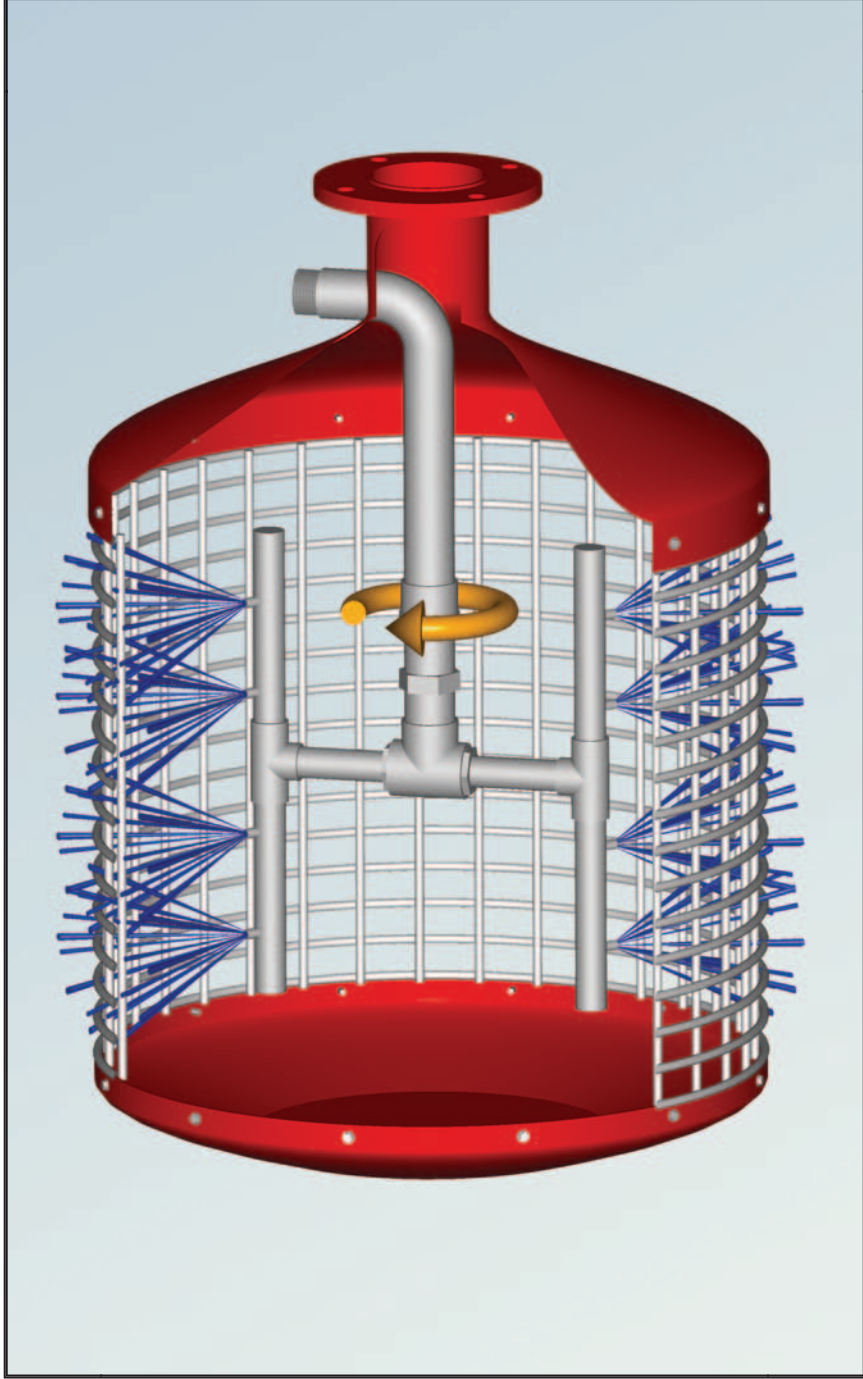


SERIES S AUTOMATIC CLEANING STRAINER

www.elwood.com



ISO 9001:2000
CERTIFIED COMPANY

Features

ADVANTAGES OF PROPER FILTRATION

- Stop surface water debris before it stops your pumps.
- **Increased production** by reducing downtime for maintenance.
- **Reduction in capital equipment budget** by increasing the life of equipment, nozzles, pumps and valves.
- **Improve product quality** by reducing friction losses in piping that robs pressure from critical systems such as descaling.

THEORY OF OPERATION

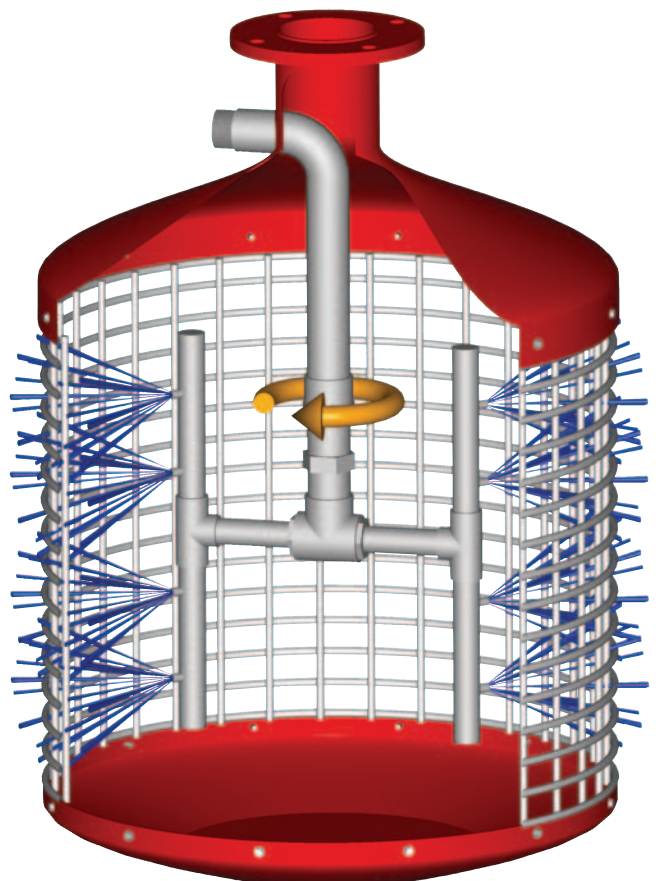
Surface water sources, such as lakes, ponds and streams provide a convenient and reliable source of water for a variety of applications within industry. Unfortunately, this water is often contaminated with debris, leaves, sticks, paper, and other floating solids which can degrade the performance of your water system.

Constructed of a heavy duty steel body and rigid stainless steel fine screen, the Elwood Series S Self Cleaning Intake Strainer is the first line of defense in your water filter system. The steel body is coated with extra durable polyester, electrostatically applied and oven cured on a zinc phosphate layer to insure years of trouble free performance. The screen is available in either 18 mesh (1200 micron) or 8 mesh (2500 micron) sizes, to suit a wide range of applications. The nozzle assembly rotates on a heavy duty bearing, ensuring a long operating life.

The Series S is attached to the end of the pump suction line, ensuring that all of the water taken into the system must pass through the screen. Debris which would otherwise clog or damage the pumps and other critical systems in the plant, is effectively removed from the intake stream. The nozzle assembly located inside the Series S, continuously rotates on a heavy duty bearing and directs a jet of water at the screen from the inside out, removing the accumulated debris. All moving parts are located within the housing, to avoid damage and provide increased reliability.

REMOVES

- Algae
- Zebra Mussels
- Clams
- Fish
- Leaves
- Pond, River or Lake debris



Technical Data

Minimum Backwash Pressure	22 PSI (1.5 bar)
Recommended Backwash Pressure	45 PSI (3 bar)
Maximum Flow Rate	See Table 1 (below)
Backwash Flow Rates	See Table 1 (below)
Minimum Clearance above Bottom Surface	12"
Minimum Clearance below Water Surface	8"
Minimum Clearance to Adjacent Surfaces	8"
Compatible Fluid	Water
Screen Construction	Stainless steel
Body Construction Options	Carbon steel with polyester coating Heavy Galvanized (Optional) (other options available, consult factory)
Screen Apertures	1200 or 2500 Micron

TABLE 1

Model No.	Pipe Size (in.)	Diameter (in.)	Height (in.)	Backwash Flow Rates (GPM)	Maximum Recommended Flow (GPM)	
					1200 Micron	2500 Micron
S-04	4	15 1/2	25 5/8	18	350	440
S-06	6	18 7/8	30 1/4	18	790	1000
S-08	8	18 7/8	38 1/4	18	1300	1700
S-10	10	24	41	18	1850	2400
S-12	12	24	48 3/4	26	2650	3300
S-14	14	35 1/2	52 3/4	26	3500	4400
S-16	16	35 1/2	52 3/4	26	4400	5300

Ordering Data – Series S

Automatic Cleaning Strainer

