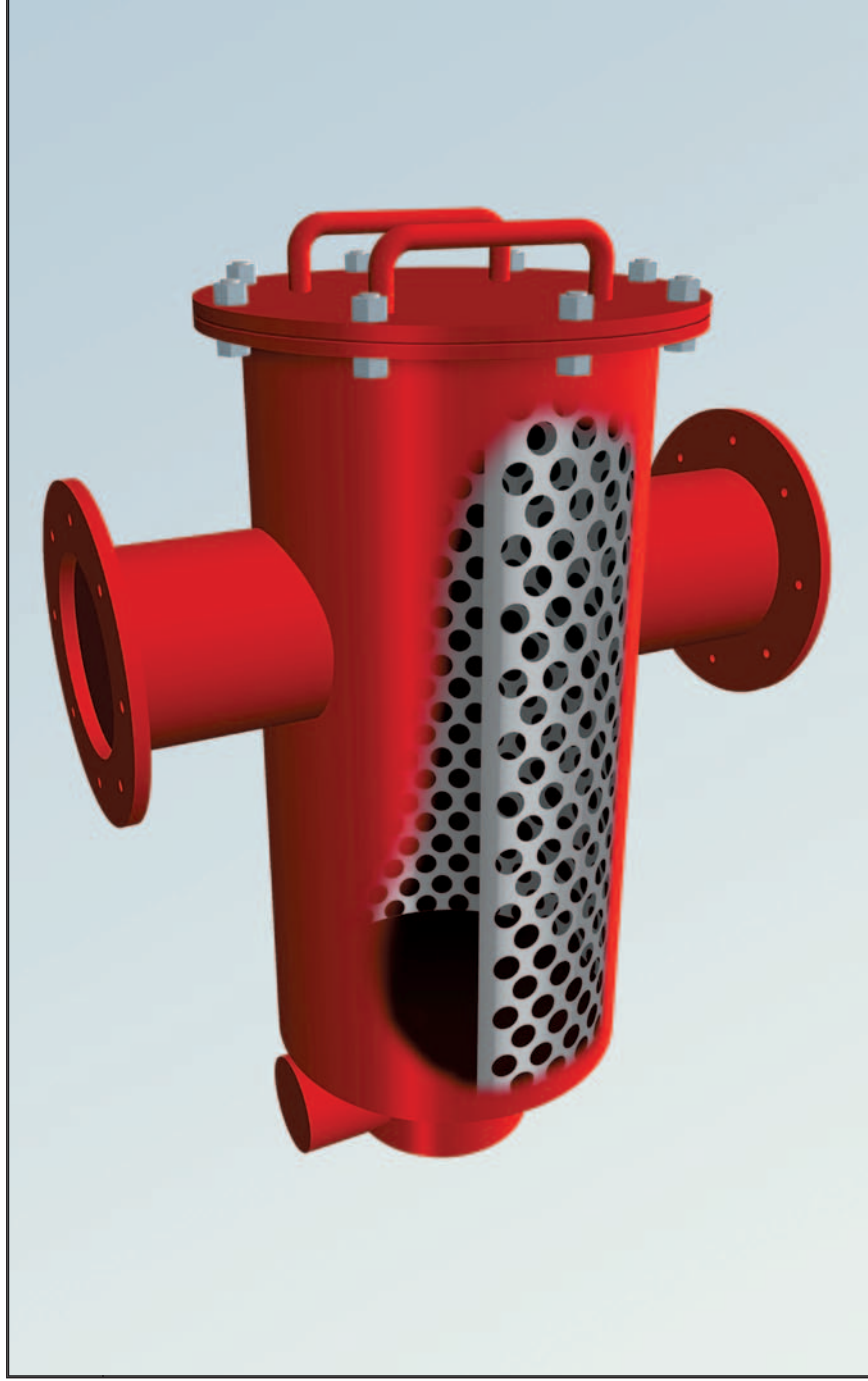


# SERIES C COARSE SCREEN FILTER

[www.elwood.com](http://www.elwood.com)



ISO 9001:2000  
CERTIFIED COMPANY



## Features

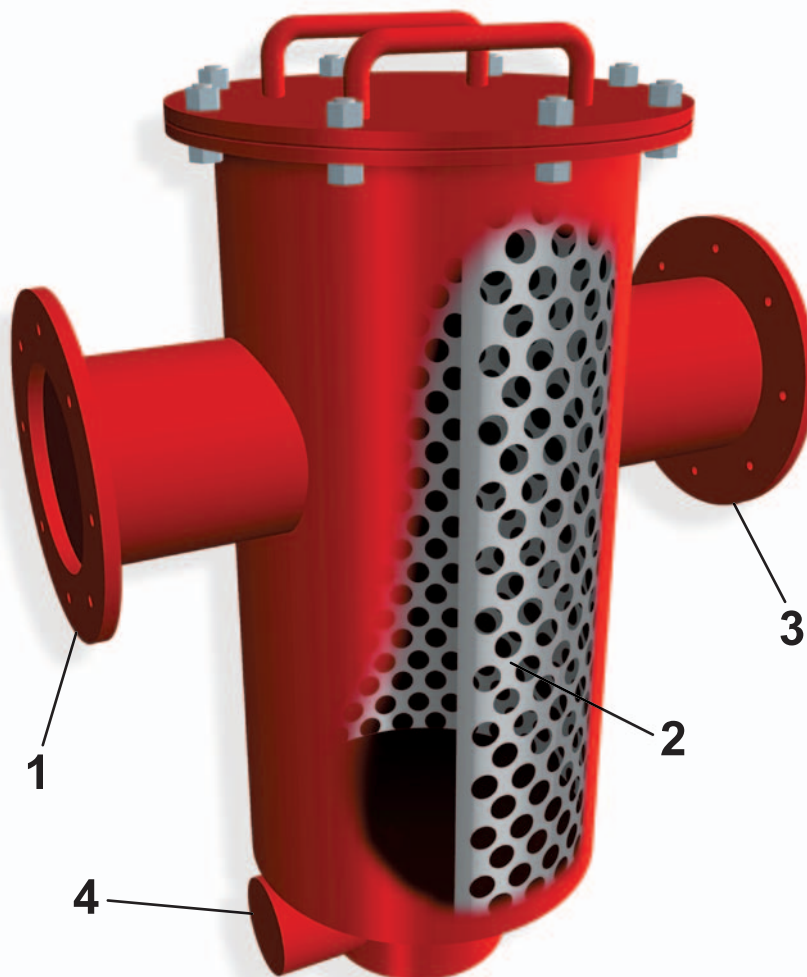
### ADVANTAGES OF PROPER FILTRATION

- **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

Dirty water enters the inlet (1) and travels to the concave surface of the perforated screen (2). The water then passes through the screen and exits the outlet (3). Unwanted particles accumulate on the surface of the screen.

On activation of the rinse cycle, the rinse valve (4) is opened to drain. A portion of the water flows back through the screen, lifting the solids off. A portion of the flow also travels across the screen surface, carrying the solids to the drain.



# Technical Data

<b>Maximum Operating Pressure</b>	150 PSI (10 bar) (For higher pressures contact factory)
<b>Minimum Backwash Pressure</b>	22 PSI (1.5 bar)
<b>Recommended Backwash Pressure</b>	45 PSI (3 bar)
<b>Maximum Flow Rate</b>	See Table 1 (below)
<b>Backwash Flow Rates</b>	See Table 1 (below)
<b>Operating Fluid Temperature</b>	150°F (65°C) (For higher temperatures contact factory)
<b>Compatible Fluid</b>	Water
<b>Screen Construction</b>	Stainless steel
<b>Body Construction</b>	Carbon steel with polyester epoxy coating (For other construction options contact factory)
<b>Screen Apertures</b>	3000, 5000, 8000 Microns

**TABLE 1**

Model No.	Pipe Size (in.)	Diameter (in.)	Height (in.)	Backwash Flow Rates (GPM)	Maximum Recommended Flow (GPM)
C-04	4	20.3	26.0	18	450
C-06	6	23	31.3	18	900
C-08	8	23	31.3	18	1360
C-10	10	25.8	37.4	18	1850
C-12	12	25.8	37.4	26	2750
C-14	14	29.9	43.3	26	4100
C-16	16	29.9	43.3	26	5000

# Ordering Data – Series C

## Coarse Screen Filter

FLANGE SIZE	
Code	Description (inches)
04	4
06	6
08	8
10	10
12	12
14	14
16	16

BODY MATERIAL	
Code	Description
CS	Carbon Steel

SCREEN APERTURE	
Code	Description (Microns)
3000	3000
5000	5000
8000	8000

Code No.  
Example:

**C - 04 CS - 3000**

**SERIES**

