



Clearwater Self-Cleaning Suction Screens

General Information

If you irrigate, you know how important it is to keep equipment running smoothly and water flowing freely. Whether you are pumping water from a stream, canal, river, irrigation ditch, pit, sump, or golf course pond, you need the water to be free of debris that could block water flow and damage the pump or clog water distribution equipment.

The Clearwater Self-Cleaning Suction Screen is galvanized or epoxy coated and utilizes a heavy 12, 18, or 24 mesh stainless steel screen designed to increase pump efficiency. The screen continuously removes debris from water. This saves time and money in fuel, pumping efficiency, and maintenance costs. The Clearwater Self-Cleaning Suction Screens can be used for agricultural, turf, industrial, centrifugal, or turbine pump applications.

The suction screen is attached to the end of the pump in the water source. All water pulled in must traverse the screen before entering the intake pipe. The screen stops trash and debris from entering and causing costly plugging in your system. The pump discharge return line drives two spray bars that continually rotate, jet water at the screen, and blast debris away from the screen at 40 to 65 psi operating range.

The Clearwater screen has no exterior moving parts that can break down. It can be installed at any altitude without the operation being affected. The screen is uncollapsible and corrosion resistant. The Clearwater screen also has a standard flanged connection. Other connections are available upon request.

Advantages

- Self-cleaning, with very low maintenance requirements
- Protects your irrigation system from costly repairs
- Heavy duty, corrosion resistant construction for a long service life
- No exterior moving parts
- Hydraulically powered
- Simple installation
- Available in: 12 mesh (1680 micron), 18 mesh (1000 micron), and 24 mesh (710 micron)
- When combined with a V-Series automatic self cleaning screen filter, any water source can be filtered down to 10 microns!

Valve and Filter

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Specifications

English Specifications

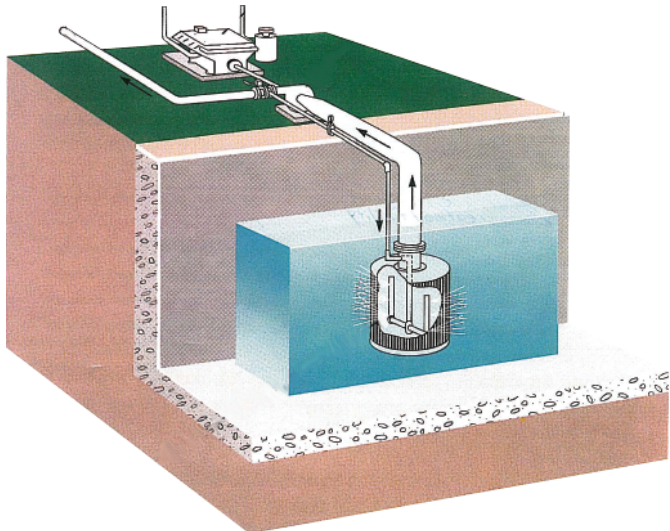
Model	GPM with 12 or 18 mesh	GPM with 24 mesh	Length (inches)	Diameter (inches)	Flange Size (inches)	Spray (gpm)	Operating Pressure (psi)	Weight (lbs)
CW200	325	225	25	16	4	20	40-60	58
CW400	550	400	29	16	6	20		62
CW600	750	525	33	24	8	20		102
CW800	950	700	35	24	10	20	45-65	115
CW1000	1350	950	40	24	10	28		123
CW1400	1550	1100	43	24	12	28		131
CW1700	1800	1250	45	26	12	28	50-65	148
CW2000	2100	1450	49	26	14	36		160
CW2400	2600	1800	53	30	16	36		223
CW3000	3000	2075	58	30	16	44		236
CW3500	3500	2420	60	36	18	44		283
CW4000	4000	2765	64	42	18	44		358

Metric Specifications

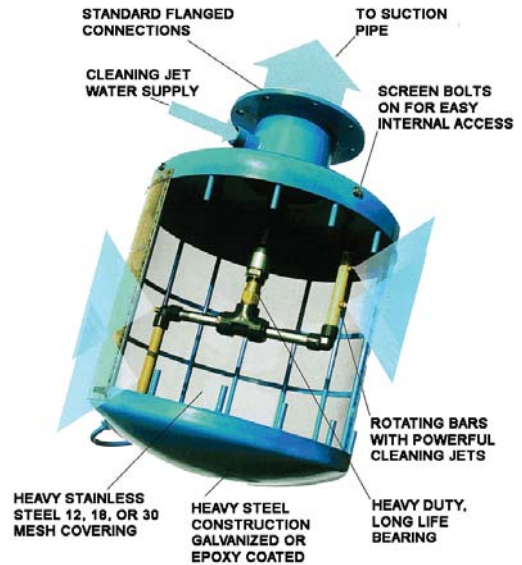
Model	M ³ /hour with 12 or 18 mesh	M ³ /hour with 24 mesh	Length (mm)	Diameter (mm)	Flange Size (mm)	Spray (M ³ /hour)	Operating Pressure (bars)	Weight (kg)
CW200	74	51	635	406	102	4.5	40-60	26
CW400	125	91	737	406	152	4.5		28
CW600	170	119	838	610	203	4.5		46
CW800	216	159	889	610	254	4.5	45-65	52
CW1000	307	216	1016	610	254	6.4		56
CW1400	352	250	1092	610	305	6.4		60
CW1700	409	284	1143	660	305	6.4	50-65	67
CW2000	477	329	1245	660	356	8.2		73
CW2400	591	409	1346	762	406	8.2		101
CW3000	681	471	1473	762	406	10.0		107
CW3500	795	550	1524	914	457	10.0		129
CW4000	908	628	1626	1067	457	10.0		163

We recommend an inline strainer or mini-filter in the 1.5" spray water supply line.
 All prices are 2009 pricing. Cost of inline strainer is \$92. Cost of mini-filter is \$450.
 12 mesh is approximately 1680 micron
 18 mesh is approximately 1000 micron
 24 mesh is approximately 710 micron

Typical Application



Features



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