



Self-Cleaning Suction Screens

General Information

If you pump water, 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, ditch, pit, sump, or pond, you need the water to be free of debris that could block water flow, damage the pump, clog water distribution equipment or damage process equipment.

The 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 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 maintenance requirements 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 2.8 to 4.5 bar (40 to 65 psi) operating range.

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

For more information contact VAF Filtration Systems!
Wherever Water Flows...

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!

VAF Filtration Systems

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Specifications

Model	m ³ /hr with 12 or 18 mesh	m ³ /hr with 24 mesh	Length (mm)	Diameter (mm)	Flange Size (mm)	Spray (m ³ /hr)	Operating Pressure (bar)	Weight (kg)
IS-100	45	37	508	305	76	3	3-4 bar	14
IS-200	74	51	635	406	102	4.5		26
IS-400	125	91	737	406	152	4.5		28
IS-600	170	119	838	610	203	4.5	3.1-4.5	46
IS-800	216	159	889	610	254	4.5		52
IS-1000	307	216	1016	610	254	6.4		56
IS-1400	352	250	1092	610	305	6.4	3.4-4.5	60
IS-1700	409	284	1143	660	305	6.4		67
IS-2000	477	329	1245	660	356	8.2		73
IS-2400	591	409	1346	762	406	8.2		101
IS-3000	681	471	1473	762	406	10		107
IS-3500	795	550	1524	914	457	10		129
IS-4000	908	628	1626	1067	457	10		163

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)
IS-100	200	165	20	12	3	12	40-60	30
IS-200	325	225	25	16	4	20		58
IS-400	550	400	29	16	6	20		62
IS-600	750	525	33	24	8	20	45-65	102
IS-800	950	700	35	24	10	20		115
IS-1000	1350	950	40	24	10	28		123
IS-1400	1550	1100	43	24	12	28	50-65	131
IS-1700	1800	1250	45	26	12	28		148
IS-2000	2100	1450	49	26	14	36		160
IS-2400	2600	1800	53	30	16	36		223
IS-3000	3000	2075	58	30	16	44		236
IS-3500	3500	2420	60	36	18	44		283
IS-4000	4000	2765	64	42	18	44		358

We recommend an inline strainer or mini-filter in the 1.5" spray water supply line.

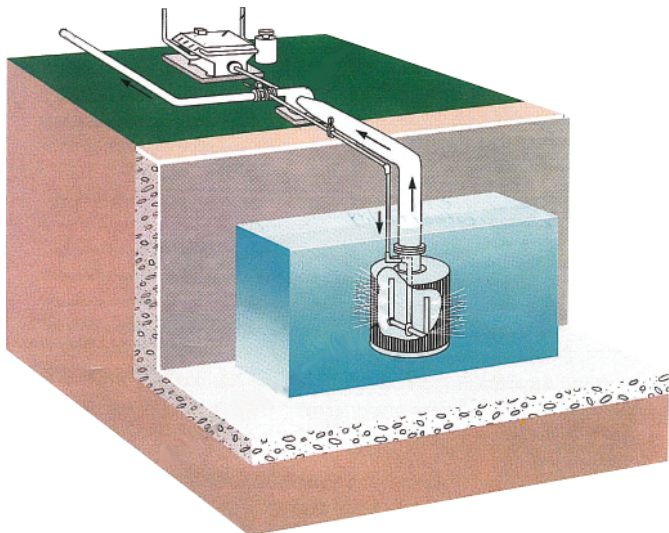
12 mesh is approximately 1680 mesh

18 mesh is approximately 1000 micron

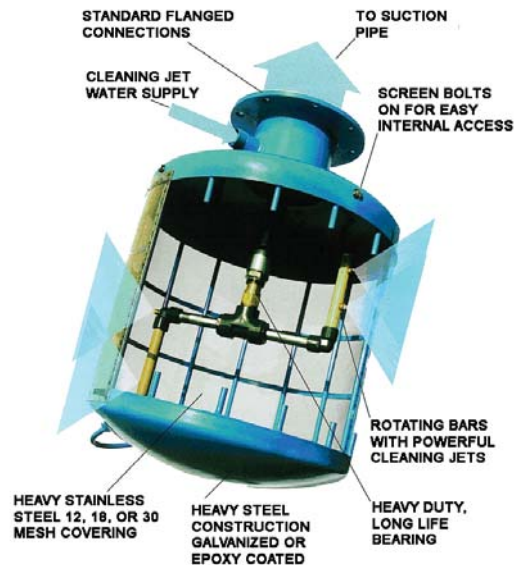
24 mesh is approximately 710 micron

Notes: Add G = Galvanized or E = Epoxy Coated (For example, ISG-200)

Typical Application



Features



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