

Cooling and Process Water Centrifugal Separators

CS SERIES



Our CS Series Centrifugal Separators are designed to economically improve the efficiencies and extend the life of water cooled HVAC systems. The system uses centrifugal force to separate suspended particles from water by forcing concentrated particles along the separator wall to the collection chamber, while the clean fluid is directed toward the separator outlet. Particles in the collection chamber are periodically purged or continuously bled from the separator, depending on the application. Including our separator in your process and cooling systems will facilitate energy and water savings, enabling you to achieve today's Cleantech standards.

Effective Particulate Removal

The CS Series separator will remove 98% of particles greater than 40 microns and with a specific gravity of 1.8 or greater. Removal of particles as small as 5 microns is possible for more dense materials.

Separation System Features

The CS series can be supplied as a standalone centrifugal separator or with optional features such as automatic purge, solids collection, or a complete skid mounted system.

Custom Options

CS series separators can be customized with a variety of options which will meet any specification, including special alloys, coatings or ASME construction.

Separator Advantages

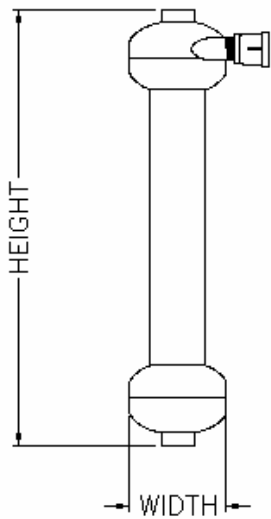
There are many benefits of using a CS series separator in your water system:

- No moving parts
- Minimal water loss during purge
- Constant and low pressure drop
- Compact design
- Economical choice
- Low maintenance requirements



SPECIFICATIONS

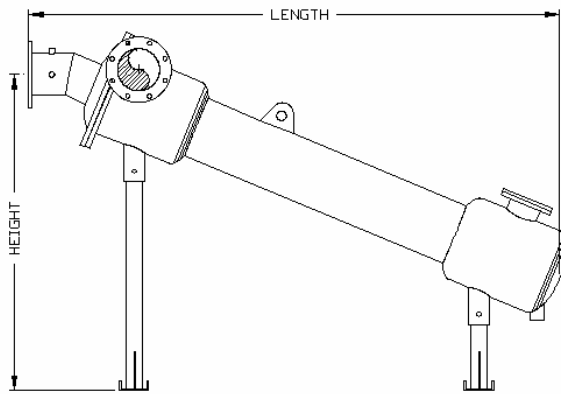
VERTICAL SEPARATORS



Model	Flow Rate (U.S. gpm)	Inlet/Outlet (in.)	Max. Particle Size (in.)	Length (in.)	Width (in.)
CSV-50	4-10	1/2	5/8"	20	6
CSV-75	10-20	3/4	3/8"	20	6
CSV-100	18-38	1	1/2"	30 1/2	6
CSV-125	26-52	1 1/4	1/2"	30 1/2	6
CSV-150	38-79	1 1/2	1/2"	30 1/2	6
CSV-200	63-120	2	1/2"	36	8
CSV-250	100-180	2 1/2	1/2"	44	10
CSV-300	125-260	3	1/2"	48	10
CSV-400	190-345	4	1/2"	52	12

*Note - all dimensions are approximate

ANGLED SEPARATORS



Model	Flow Rate (U.S. gpm)	Inlet/Outlet (in.)	Max. Particle Size (in.)	Length (in.)	Height (in.)
CSA-400	200-525	4	1 1/2"	80	46
CSA-600	365-960	6	1 1/2"	106	59
CSA-800	800-1600	8	1 1/2"	114	65
CSA-1000	1300-2300	10	1 1/2"	123	71
CSA-1200	2025-3400	12	1 1/2"	139	75
CSA-1400	2975-5000	14	2"	148	81
CSA-1600	4000-6200	16	2"	160	87
CSA-1800	5100-8300	18	2"	177	98

*Note - all dimensions are approximate

OPTIONAL FEATURES

Option Suffix	Description
-AP	Automatic Purge Valve and Controller
-SMP	Skid Mounted Package - includes Automatic Purge, Recirculation Pump and Skid
-BF	System Matched Bag Filter for Purged Solids Collection
-ASME	ASME Stamped Separator Vessel



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