

WATER TREATMENT WATER TREATMENT AND FILTRATION

Sterlco sand and gravel filters and centrifugal separation systems are offered for use on cooling tower or chilled water systems requiring large capacity, heavy-duty suspended solids removal.

BFS Series bag filters can be used in full flow or bypass configurations. A bypass configuration is recommended for chilled water systems.

SWF Series full-flow filters feature a conical shaped screen. Heavy solids are forced to the bottom of the strainer. A flush port on the filter housing allows collected debris to be easily purged from the system.



Features

Sand & Gravel Filters

- Tank
- Valve manifold
- Gauges
- Initial charge of sand and gravel

BFS Bag filters

- Bypass
- Pressure gauges
- 25 micron filter bags

SWF Full Flow Filters

- Filter housing, filter elements and flanges constructed of 304 stainless steel
- Maximum working pressure is 100 psi (689.5 kPa/6.895 bars); 150 psi (1,034.25 kPa/10.343 bars) is available
- 80 mesh standard screen size; 40 mesh can be used for tower water.
- Valving bypass not included

Options

Sand & Gravel Filters

- Tower or chiller operation
- Pressure differential backwash or time-operated backwash

BFS Bag Filters

- Differential pressure alarm, 115/1/60 supply with a 10 ft. power cord. includes 20 ft. of poly tubing, differential pressure switch, audible and visual alarms, and silence button for audible alarm
- Additional filter bags

SWF Full Flow Filters

- Differential pressure alarm
- Automatic dump valve with timer
- Additional stainless steel strainer basket
- Valving and bypass not included
- Other screen mesh sizes: 16M, 30M, 40M, 50M, 60M, 100M, 120M, 200M



WATER TREATMENT

CENTRI-SEPARATOR SYSTEMS

Filtration & Separation Systems

Model	Description	Length, in. (cm)	Width, in. (cm)	Height, in. (cm)	Shipping Weight, lbs. (kg)	Pressure Differential Backwash
CSM-150	150-ton (453,600 Kcal/hr) tower max. 300-ton (907,200 Kcal/hr) chiller max.	29 (74)	19.5 (50)	26 (66)	130 (60)	N/A
CSM-400	150-ton (1,209,600 Kcal/hr) tower max. 300-ton (2,419,200 Kcal/hr) chiller max.	26 (66)	20 (51)	41 (104)	150 (69)	

Note: Not to be used for closed-loop or chilled water systems; back flushing eliminates chemicals added to the system. Specify cooling tower or chiller application when ordering.

SAND AND GRAVEL AUTOMATIC BACKWASH FILTERS

- SGM-250A sand and gravel automatic backwash filters are available in 250-ton (756,000 Kcal/hr) tower (Model SGM-250A) and 500-ton (1,512,000 Kcal/hr) chiller (Model SGM-250P) maximum capacity. Please specify when ordering.
- Model SGM-250A is equipped with automatic valves operated from a time device so that backwash is accomplished periodically on an automatic basis.

Model Number	Length, in. (cm)	Width, in. (cm)	Height, in. (cm)	Shipping Weight, lbs. (kg)	Pressure Differential Backwash ¹
SGM-250A	40 (101)	48 (122)	39 (99)	1800 (818)	Available

¹ Model SGM-250P. Automatic valves are operated from pressure switch. Pressure switch monitors the pressure drop in the filter media and activates backwash cycle at preset pressure drop.

FULL FLOW BAG FILTERS

Model ¹	Max. Flow, gpm (lpm)	No. Filter Bags Required (Supplied)	Pipe Size, in. (mm) ²	Differential Pressure Alarms ³	Additional Filter Bags ⁴
BFS-30	30 (113)	1 (3)	1.5 NPT (38)	Available	Available
BFS-65	65 (246)	1 (3)	2.5 NPT (63)		
BFS-90	90 (340)	1 (3)	2.5 NPT (63)		
BFS-200	200 (757)	1 (3)	3.0 flanged (76 flanged)		
BFS-300	300 (1135)	2 (6)	4.0 flanged (102 flanged)		
BFS-450	450 (1703)	3 (12)	6.0 flanged (127 flanged)		

¹ Single cell filters include bypass, pressure gauges and 25 micron filter bags. Multi-cell filters include pressure gauges and 25 micron filter bags.

² Size is approximate; customer is responsible for converting to metric.

³ Operates on 115/1/60 supply, with a 10 ft. (3 m) power cord. Includes 20 ft. (6 m) of poly tubing, differential pressure switch, audible and visual alarms, and silence button for audible alarm.

⁴ Applicable only if purchased with BFS filters.

SWF FULL FLOW STAINLESS STEEL FILTERS

Model ²	Max. Flow, gpm (lpm)	Connection size/flange, in. (mm) ³
SWF-100	100 (378)	2" flange (51 mm flange)
SWF-200	200 (757)	3" flange (76 mm flange)
SWF-350	350 (1325)	4" flange (102 mm flange)
SWF-750	750 (2839)	6" flange (152 mm flange)
SWF-1300	1300 (4920)	8" flange (203 mm flange)
SWF-2000	2000 (7570)	10" flange (254 mm flange)

¹ 80 mesh screen size is standard for stainless steel strainer basket. 40 mesh can be used for tower water. Specify mesh size.

² Valving and bypass are not included with SWF Series stainless steel filters.

³ Size is approximate; customer is responsible for converting to metric.

