



ACMV Filters





Less Energy

Just 0.012 inch or 0.3 mm thickness of fouling on heat exchanger tubes increases the fouling factor to 0.001 hr sq. ft Deg F/Btu and increases the compressor power consumption by 11%. The sludge and debris from the cooling tower that collects on your condenser, heat exchanger and other equipment forms an insulating layer that decreases the heat transfer capacity of this equipment that ultimately leads to increased in power consumption.

The increased cost of power consumption will offset the cost of the filter. ACMV Filtration Systems effectively reduce or eliminate buildup of deposits and keep the system efficiency and lower energy costs.

The Cooling Tower System that is opened to the environment draws all kinds of contaminants that can cause severe fouling of your cooling system in chillers (condensers) or air compressor heat exchangers etc which can result in equipment breakdown as well as emergency maintenance and cleanouts. ACMV Filtration System helps prevent the heat exchangers from fouling that results in emergency maintenance and downtime. With ACMV Filters you achieve consistent and regular maintenance that eliminates the cause of breakdowns.



Less Downtime

The cooling tower draws airborne debris which comes in organic and non organic forms are present in silt, dirt, earth and dust that enter the system. These airborne debris consumes and absorb the chemical additives used in the water treatment and reduces the effectiveness of the chemical programme.

An ACMV Filtration System removes these solid contaminants from the cooling tower system, permitting the chemicals to perform more effectively. The result is an enhanced water treatment program and an overall lower chemical usage.



Less Chemicals

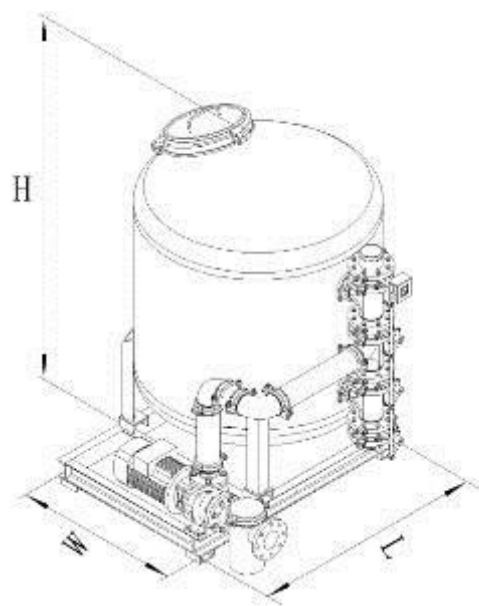
The in-fills are the heat exchange surface of the cooling tower. The in-fill sheets are wide and assembled very close together. In addition, the in-fills are wide in length. Cleaning the in-fills manually is almost impossible. The best solution is to keep the water free from solid contaminants and apply a good programme of chemical water treatment. The cooling tower filtration system operates while the cooling tower is in operation and consistently maintains the water free from solid contaminants.

With the increasing cost of man hours and less availability of manpower, a reduction in time consuming cleanout of condenser, heat exchanger, tower basin, tower infills and other process equipment translates directly in big savings.

An ACMV Filtration System controls the accumulation of solid contaminants, reducing or eliminating the need for costly cleanouts and other maintenance works

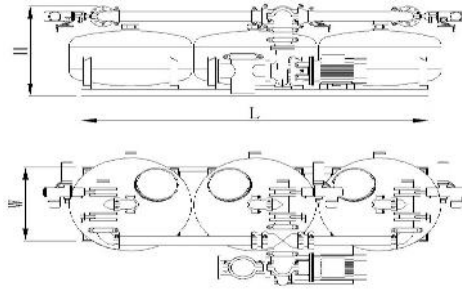


Less Maintenance



Model	Tank Diameter (mm)	Filter Area (ft ²)	Valve Size (inch)	Max. Flow Based on 20 USgpm/ft ² (USgpm)	L (mm)	W (mm)	H (mm)	Shipping Weight (kg)	Operating Weight (kg)
CPF12	304	0.78	1	16	950	1300	700	130	140
CPF18	457	1.77	1.5	35	1250	1200	800	300	380
CPF24	610	3.14	1.5	63	1300	1250	900	450	550
CPF30	762	4.91	2	98	1650	1300	1000	600	750
CPF36	914	7.1	2.5	141	1900	1400	1150	800	1050
CPF42	1067	9.6	3	192	2050	1450	1400	1100	1450
DMF24	610	3.14	1.5	63	1450	1250	1200	550	750
DMF30	762	4.91	2	98	1550	1450	1850	850	1250
DMF36	914	7.1	2.5	141	1400	1600	2250	1150	1750
DMF42	1067	9.6	3	192	1900	1750	2300	1800	2900
DMF48	1219	12.6	4	251	2000	1950	2350	2400	3900
DMF54	1372	15.9	4	318	2100	2150	2350	3100	4900
DMF60	1524	19.6	4	392	2200	2300	2500	3850	6200
DMF66	1676	23.8	4	475	2400	2400	2500	4750	7500
DMF72	1829	28.3	6	565	2500	2700	2600	6000	9500
DMF78	1981	33.2	6	663	2700	2900	2700	7500	11600
DMF84	2134	38.5	6	769	2850	3050	2850	9000	14000
DMF90	2286	44.2	6	883	3050	3200	2900	10500	16000
DMF96	2438	50.3	6	1005	3150	3300	3150	13500	19900

The manufacturer reserves the right to change the physical dimensions and weights. Customers are advised to confirm with manufacturer the dimensions and weights at time of order



Model	Tank Diameter (mm)	Filter Area (ft ²)	Valve Size (inch) of Tank	Max. Flow Based on 20 USgpm/ft ² (USgpm)	L (mm)	W (mm)	H (mm)
CPF2-24	610	3.14x2	1.5	126	1245	610	950
CPF3-24	610	3.14x3	1.5	189	1880	610	950
CPF4-24	610	3.14x4	1.5	252	2515	610	950
CPF2-30	762	4.91x2	2	196	1578	711	1000
CPF3-30	762	4.91x3	2	294	2388	711	1000
CPF4-30	762	4.91x4	2	392	3201	711	1000
CPF2-34	864	6.31x2	2.5	252	1778	864	1050
CPF3-34	864	6.31x3	2.5	378	2692	864	1050
CPF4-34	864	6.31x4	2.5	504	3606	864	1050
CPF6-34	864	6.31x6	2.5	756	5434	864	1050
CPF2-36	914	7.1x2	2.5	282	2010	764	1074
CPF3-36	914	7.1x3	2.5	423	3016	764	1074
CPF4-36	914	7.1x4	2.5	563	4042	764	1074
CPF2-42	1067	9.6x2	3	384	1869	873	1250
CPF3-42	1067	9.6x3	3	576	3013	873	1250
CPF4-42	1067	9.6x4	3	768	4157	873	1250
CPF2-45	1143	11x2	4	450	2019	1441	1300
CPF3-45	1143	11x3	4	675	3238	1441	1300
CPF4-45	1143	11x4	4	900	4457	1441	1300
CPF2-48	1219	12.6x2	4	502	2169	1600	1310
CPF3-48	1219	12.6x3	4	753	3463	1600	1310
CPF4-48	1219	12.6x4	4	1004	5256	600	1310
CPF2-54	1372	15.9x2	4	638	2485	1658	1327
CPF3-54	1372	15.9x3	4	954	3983	1658	1327
CPF4-54	1372	15.9x4	4	1272	5481	1658	1327
CPF2-56	1422	17.1x2	4	684	2944	1772	1420
CPF3-56	1422	17.1x3	4	1026	4466	1772	1420
CPF4-56	1422	17.1x4	4	1368	5988	1772	1420
CPF2-58	1473	18.3x2	4	732	3100	1600	1600
CPF3-58	1473	18.3x3	4	1098	4648	1600	1600
CPF4-58	1473	18.3x4	4	1485	6300	1600	1600
CPF2-66	1676	23.8x2	6	952	3600	3452	1646
CPF3-66	1676	23.8x3	6	1428	5300	3452	1646
CPF4-66	1676	23.8x4	6	1904	6806	3452	1646

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