

AF SERIES

ARSENIC FILTERS

WCC's "AF" Series, Commercial Arsenic Filters feature an advanced catalytic media, capable of reducing high levels of Arsenic III (Arsenite) and Arsenic V (Arsenate) from problem well water¹. Additionally, they are effective in removing moderate quantities of iron, manganese, and hydrogen sulfide (rotten egg odor)². Once per day (normally at night), the media is backwashed. The naturally dissolved oxygen in the backwash water cleans the media³ and the unit goes back into service. These systems are designed to provide years of virtually maintenance-free operation.



SPECIFICATIONS

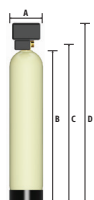
Model	Media (cu ft)	Cv	Max Flow Rate (gpm) ⁴	Psid at Max Flow Rate (psi)	Service Connection (in)	Tank Size (dia x height) (in) [A x B]	Inlet/Outlet Height (in) [C]	Overall Height (in) [D]	Drain Connection (in)	Backwash Rate (gpm)	Approx Ship Weight (lbs)
AFE-12	2	8.0	8	1	1	12 X 52	56	66	3/4	3.5	175
AFE-14	3	8.5	12	2	1	14 X 65	68	79	3/4	5	278
AFE-16	4	9.2	16	3	1	16 X 65	68	79	3/4	7	338
AFE-18	5	10.0	20	4	1	18 X 65	69	79	3/4	9	422
AFS-12	2	5.7	8	2	1	12 X 52	56	60	3/4	3.5	190
AFS-14	3	6.0	12	4	1	14 X 65	68	73	3/4	5	294
AFS-16	4	6.0	16	7	1	16 X 65	68	73	3/4	7	354
AFS-18	5	6.3	20	10	1	18 X 65	69	74	3/4	9	437
AFM-14	3	8.5	12	2	1 1/2	14 X 65	68	73	3/4	5	276
AFM-16	4	9.2	16	3	1 1/2	16 X 65	68	73	3/4	7	336
AFM-18	5	10.0	20	4	1 1/2	18 X 65	69	74	3/4	9	419
AFM-21	6.5	10.6	26	6	1 1/2	21 X 62	69	74	1	12	589
AFM-24	9	11.4	36	10	1 1/2	24 X 72	76	81	1	15	744
AFL-14	3	12.0	12	1	2	14 X 65	70	77	3/4	5	308
AFL-16	4	11.3	16	2	2	16 X 65	70	77	3/4	7	368
AFL-18	5	14.1	20	2	2	18 X 65	71	77	3/4	9	452
AFL-21	6.5	18.4	26	2	2	21 X 62	71	77	1	12	622
AFL-24	9	20.8	36	3	2	24 X 72	78	85	1	15	776
AFL-30	14	22.9	56	6	2	30 X 72	83	89	1	25	1,264
AFL-36	20	23.1	80	12	2	36 X 72	85	91	1	35	1,782
AFL-42	25	24.3	100	17	2	42 X 72	77	83	2	50	2,288
AFXL-30	14	39.6	56	2	3	30 X 72	85	95	2	25	1,345
AFXL-36	20	46.2	80	3	3	36 X 72	88	98	2	35	1,900
AFXL-42	25	57.7	100	3	3	42 X 72	78	88	2	50	2,373
AFXL-48	34	60.8	136	5	3	48 X 72	87	97	2	60	3,066
AFXL-63	60	62.0	240	15	3	63 X 86	104	114	2	100	5,017

¹ For non-chlorinated water only!

² **MINIMUM IRON + MANGANESE REQUIREMENT FOR EFFECTIVE ARSENIC REMOVAL: 0.3PPM**

³ Minimum dissolved oxygen requirement for proper operation: 2ppm [contact WCC if levels are lower]

⁴ Exceeding max flow rate may reduce % of arsenic removed



COMMON APPLICATIONS · Water treatment for education, healthcare, hospitality, and industry

- Maximum Arsenic III + V levels 150ppb (reduces to less than 10ppb)
- Treats combined iron + manganese + H₂S levels up to 10ppm
- Regeneration time = 20 minutes per tank, daily
- For increased capacity and redundancy, multiple units can be installed in parallel (allow a minimum of 6" between tanks)
- Electrical requirements: Provide standard, 2-prong outlet for each individual unit (120VAC, 1.3FLA, 60Hz)

FOR CUSTOM DRAWINGS, SPECIFICATIONS, AND REVIT[®] MODELS, CONTACT WCC.

NOTE: ARSENIC IS A KNOWN CARCINOGEN
IT IS CRITICAL TO TEST WATER NO LESS THAN 4X PER YEAR TO ENSURE PROPER SYSTEM OPERATION!