COMMERCIAL

Where NATURE & SCIENCE meet.™

An Employee-Owned Company

IF SERIES

IRON FILTERS

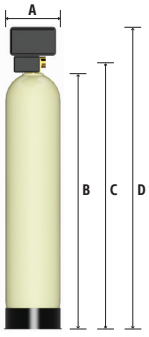
WCC's "IF" Series, air-injected Commercial Iron Filters feature an oxygen-rich zeolite media for high-efficiency oxidation and removal of iron, manganese, and hydrogen sulfide. In normal operation, the control valve maintains an internal air pocket to catalyze and enhance the oxidation process. Every 1 – 3 days, the media is cleaned and re-oxygenated via a short backwash, followed by an air draw cycle. All of this is accomplished without the use of chemicals or air compressors. These systems are designed to provide years of virtually maintenance-free operation.

SPECIFICATIONS

Model	Media (cu ft)	Cv	Max Flow Rate (gpm)*	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)
IFS-10	1.25	5.0	10	4	1	10 X 54	56	61	¾	7	147
IFS-12	1.5	5.5	11	4	1	12 X 52	56	60	¾	10	163
IFS-14	2.25	5.5	11	4	1	14 X 65	68	73	¾	12	252
IFS-16	3	5.5	11	4	1	16 X 65	68	73	¾	15	298
IFS-18	4	5.5	11	4	1	18 X 65	69	74	1	25	382
IFM-12	1.5	8.5	17	4	1 ½	12 X 52	56	63	1	10	145
IFM-14	2.25	9	18	4	1 ½	14 X 65	68	76	1	12	234
IFM-16	3	9.5	19	4	1 ½	16 X 65	68	76	1	15	280
IFM-18	4	10	20	4	1 ½	18 X 65	69	77	1	20	364
IFM-21	5	10.5	21	4	1 ½	21 X 62	69	77	1	30	506
IFM-24	6.5	10.5	21	4	1 ½	24 X 72	76	84	1	35	660
IFL-14	2.25	15.5	31	4	2	14 X 65	70	73	1	12	268
IFL-16	3	16.5	33	4	2	16 X 65	70	73	1	15	314
IFL-18	4	17.5	35	4	2	18 X 65	71	74	2	20	397
IFL-21	5	19	38	4	2	21 X 62	71	74	2	30	539
IFL-24	6.5	20	40	4	2	24 X 72	78	81	2	35	694
IFL-30	12	21	42	4	2	30 X 72	83	85	2	60	1,209
IFL-36	16	21.5	43	4	2	36 X 72	85	87	2	85	1,727

* Max flow rate for minimum 90% contaminant reduction. Exceeding this flow rate will reduce contaminant removal.

** Regeneration occurs every 2-4 days (application-dependent). Includes 10-14 minute backwash + 50-60 min air draw + 1 minute rapid rise.



COMMON APPLICATIONS

· Well water treatment for education, healthcare and hospitality · Pre-treatment for pure water and industrial systems · Commercial irrigation systems

- Treats ferrous/ferric iron levels up to 15ppm
- Recommended regeneration frequency: 3 days (0.2 – 2ppm), 2 days (2 – 5ppm), 1 day (5+ppm)
- For increased capacity and redundancy, multiple units can be installed in parallel (allow a minimum of 6" between tanks)
- May be combined with ozone or chemical injection equipment in difficult applications
- Electrical requirements: Provide standard, 2-prong outlet for each individual unit (120VAC, 1.3FLA, 60Hz)

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

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