

AFA® Backwashable Condensate Filter



Graver's AFA® Condensate Filters are designed to remove iron oxide (aka "CRUD") particles as well as other insoluble corrosion products present in the condensate systems. AFA Systems use unique Aegis AFA condensate polishing filters engineered to meet the high demands in the utility industry for repeated backwashing and particle retention.

The AFA filters are absolute rated for 1 to over 20 microns and specifically designed to meet the demands of multi-backwashing without the loss of filter integrity. Fixed pore construction eliminates dirt unloading as differential pressure increases while maintaining a removal efficiency of 99.9%.

Advantages of the AFA® Backwashable Filters

Bottom Tube Sheet Design - The bottom tube sheet provides a more efficient backwash and good distribution of the contaminants during the filter process. This design reduces the volume of water generated during each backwash by over 50%.

Bottom Inlet and Outlet Piping

- No Header Piping to Remove during Installation
- Enhanced Distribution of the influent Contaminant for More efficient filtration
- Integral Backwash Air & Water Containment

Unique Air Surge Backwash

- Lowest Water Volume During Backwash
- Repeatable High ΔP Backwash
- "Target" Backwash Option

Unique Hardware Design

- Permanent Core-Type Guide Rod Support
- Distribution of Contaminants and Backwash
- Minimum Area Resistance to Water Flow
- Quick Disconnect Hardware
- Minimum Vessel Turnaround and Re-Assembly Time



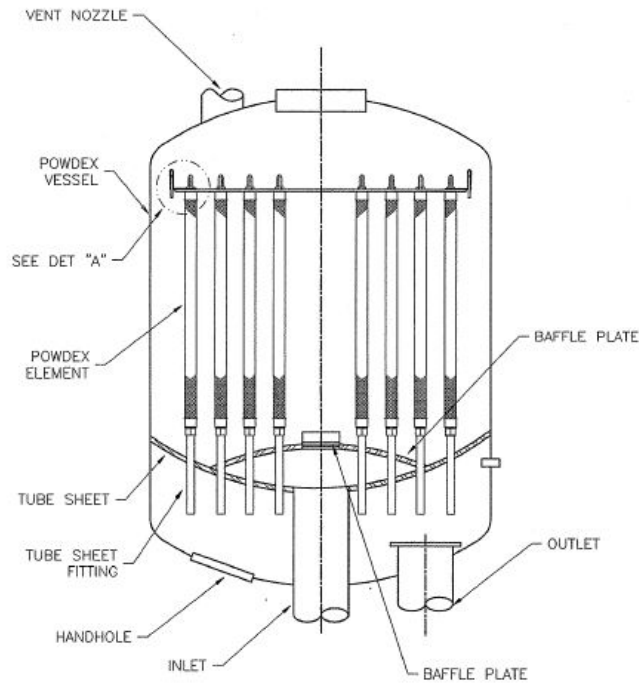
Typical Applications:

- Pre-filter for removal of CRUD and TSS to extend deep bed demineralizer service life
- Pre-filter to prevent premature fouling of RO membranes
- Used in boiler condensate for both nuclear and fossil plants, heat recovering steam generators, Pre-Ro and combined cycle plants

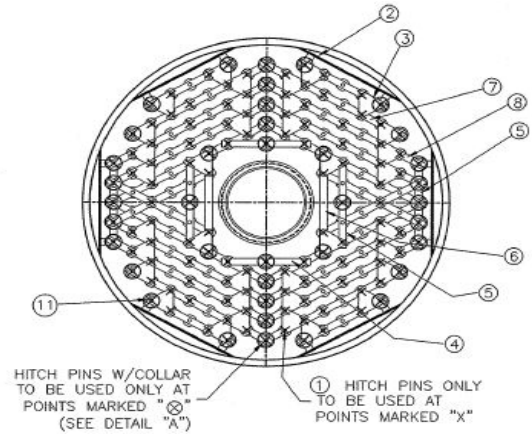
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Specifications



Side View



Top View

Model No.	AFA Model Details					Pipe Sizes		
	Nom Diam. (inches)	Nominal Area (Ft ²)	Number of Elements	Max Flow Rate (GPM)	BW Flow Rate (GPM)	In/Outlet Size (inches)	Vent Size (inches)	Drain Outlet (inches)
AFA-24	24"	1,764	30	529	29	4	2	4
AFA-30	30"	3,175	54	953	52	6	2	4
AFA-36	36"	4,234	72	1,270	69	6	2	4
AFA-42	42"	5,998	102	1,799	97	8	3	4
AFA-48	48"	8,467	144	2,540	137	10	3	6
AFA-54	54"	11,290	192	3,387	183	12	4	6
AFA-60	60"	14,465	246	4,339	235	12	4	6
AFA-66	66"	16,582	282	4,974	269	14	6	10
AFA-72	72"	20,110	342	6,033	326	16	8	12
AFA-78	78"	24,343	414	7,303	395	16	8	12
AFA-84	84"	28,930	492	8,679	470	20	10	12
AFA-90	90"	32,810	558	9,843	533	20	10	12
AFA-96	96"	37,750	642	11,325	613	20	10	12

Contact Us

Graver Water Systems, LLC
 675 Central Avenue | Suite 3
 New Providence, NJ 07974

T: 908 516 1400
 F: 908 516 1401
 E: info@graver.com