

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 filter septa 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 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



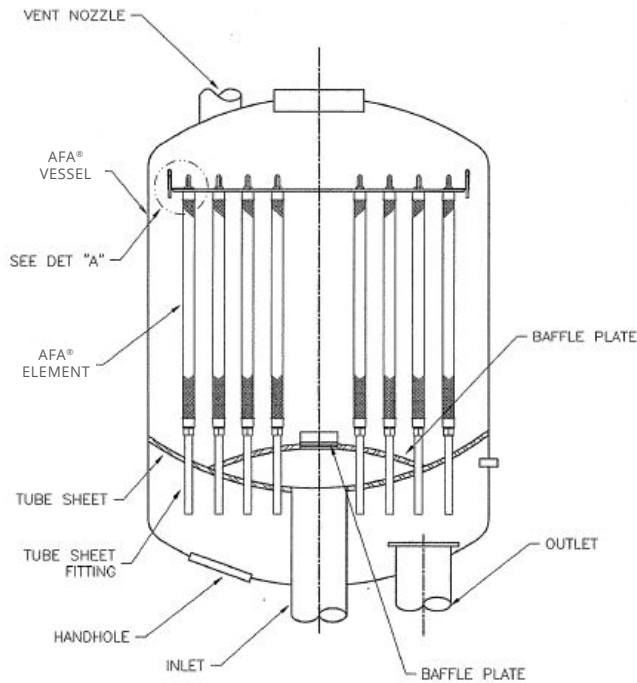
Typical Applications:

- 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

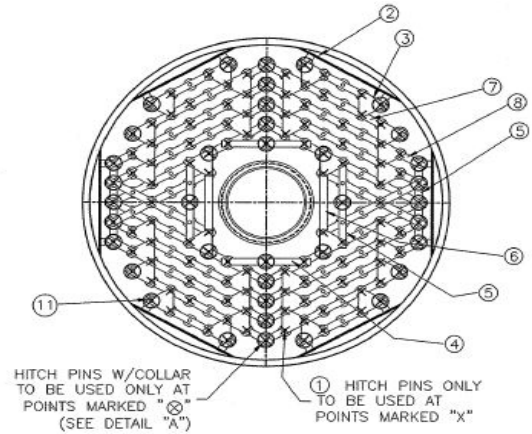
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Specifications



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

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