

Series AG Cartridges

Internally Supported Filters For High Efficiency Systems

Product Description

Series AG Cartridges are deep pleated, medium and high efficiency strainer type air filters. Series AG Cartridges are used in filter cell assemblies consisting of a filter holding frame, sealer frame, and a wire retainer to support the media. All Series AG Filter Cartridges of a similar size and depth are interchangeable to permit a cartridge of one efficiency rating to be replaced by a cartridge of another efficiency rating simply by replacing the filter cartridge.

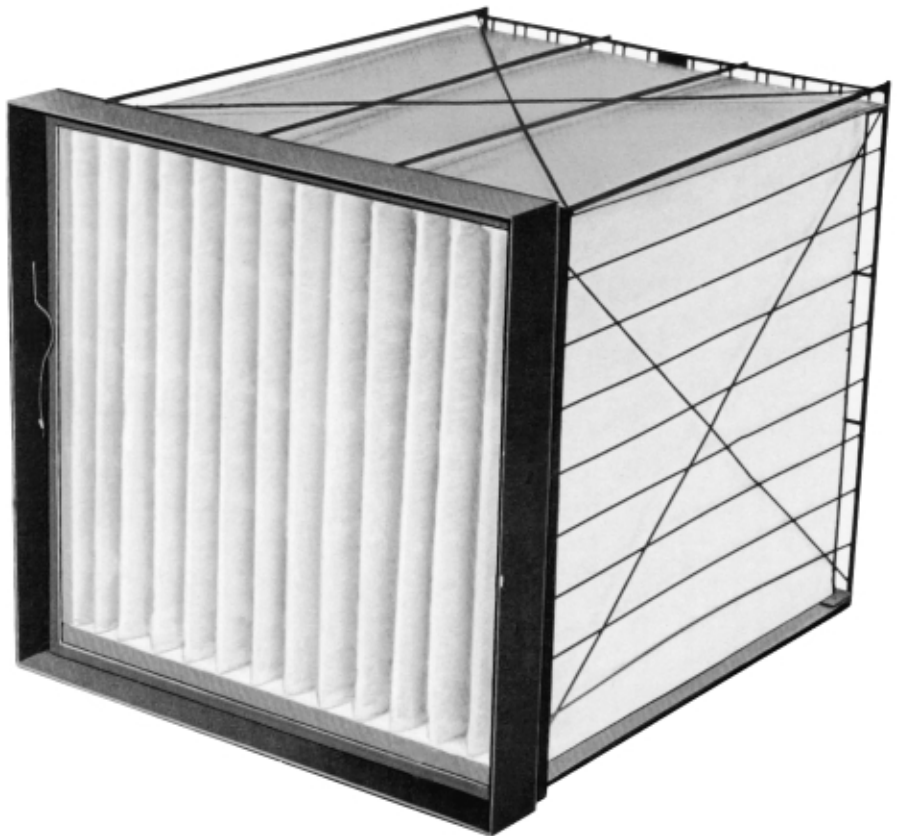
Construction

Series AG Cartridges consist of deep pleats of air filter media formed into a ready to install cartridge. The media utilized, depending on efficiency is either of man-made or natural fibers. Efficiency ranges from 25% to 95% on atmospheric dust available.

All Series AG Cartridges are performed, and bonded and mechanically secured to a rigid fiberboard frame, or side panel. The element is completely supported during operation.

All filter media utilized is certified to efficiency levels: The product is offered in either Class I or Class II construction according to Underwriters Laboratories UL900.

The air leaving side of the filter media is backed to insure ease of installation. The air exit side of the media is smooth to slide easily into existing frame work.



Media Choices

AG 2A (FLR02200-FLR02206) – The AG 2A, a blended media consisting of cotton and synthetic fibers delivers arrestance ratings of 90-92%, and average atmospheric efficiency of 25-35% when tested under ASHRAE 52.1-1992.

AG 15 (FLR02191-FLR02199) – The AG 15 is a product of a glass fiber media, with a special backing material. The media is orange in color, and has an average atmospheric efficiency rating of 55-65%. The arrestance rating exceeds 97% when tested by ASHRAE 52.1-1992.

AG 100 (FLR02182-FLR02190) – The AG 100 is a high efficiency unit delivering average atmospheric efficiency 80-85%. The media, which is color coded pink, has an ASHRAE 52.1-1992 arrestance rating 98-99%. Use of the media is normally preceded with a prefilter.

AG 200 (FLR02173-FLR02181) – The AG 200 delivers the highest efficiency performance in the AG Cartridge family. The ultra-fine glass fiber media, yellow in color delivers an ASHRAE 52.1-1992 arrestance rating of 99+%, and average atmospheric efficiency of 90-95%.

Performance

Series AG Cartridges have been designed to adapt to internally

supported systems including the Farr Co.* HP Series,* GlidePak,* and HiKleen.* Listed below are the results of laboratory tests on all four medias in the AG cartridge series. These positive filtration cartridges assure no particle drift through when fans are shut down, and remain rigid while in operation to eliminate any flutter effect while in use. All filters in the AG series assure high dust holding capacity due to the large amount of filter media area as compared to face area. Due to the openness of cartridges while in operation, an extremely low resistance to air flow, relative to dirt build up, is maintained.

*Brand and trade names used for system identification only.

PerformanceData

ServiceFirst Item No.	Model No.	Nominal Size (Inches)	AirFlow Capacity (CFM)			Resistance Capacity (Inches W.G.)			Media Area (Square Feet)
			LOW	MED	HIGH	LOW	MED	HIGH	
25-35% Efficiency									
FLR02206	AG-2A	24x24x12	1600	2000	2500	.10	.15	.20	41.8
FLR02205	AG-2A	12x24x12	800	1000	1250	.10	.15	.20	20.9
FLR02204	AG-2A	24x24x8	1200	1600	2000	.10	.15	.20	29.0
FLR02200	AG-2A	12x24x8	600	800	1000	.10	.15	.20	14.5
FLR02201	AG-2A	16x20x8	660	880	1100	.10	.15	.20	15.8
FLR02202	AG-2A	20x20x8	810	1080	1350	.10	.15	.20	19.8
FLR02203	AG-2A	20x25x8	1020	1360	1700	.10	.15	.20	25.6
60-65% Efficiency									
FLR02199	AG-15	24x24x24	1600	2000	2500	.15	.25	.35	96.0
FLR02198	AG-15	12x24x24	800	1000	1250	.15	.25	.35	48.6
FLR02196	AG-15	12x24x12	1600	2000	2500	.25	.35	.50	41.8
FLR02195	AG-15	24x24x8	800	1000	1250	.25	.35	.50	20.9
FLR02197	AG-15	24x24x12	1200	1600	2000	.25	.35	.50	29.0
FLR02191	AG-15	12x24x8	600	800	1000	.25	.35	.50	14.5
FLR02192	AG-15	16x20x8	660	880	1100	.25	.35	.50	15.8
FLR02193	AG-15	20x20x8	810	1080	1350	.25	.35	.50	19.8
FLR02194	AG-15	20x25x8	1020	1360	1700	.25	.35	.50	25.6
80-85% Efficiency									
FLR02190	AG-100	24x24x24	1600	2000	2500	.20	.30	.40	96.0
FLR02189	AG-100	12x24x24	800	1000	1250	.20	.30	.40	48.6
FLR02188	AG-100	24x24x12	1600	2000	2500	.30	.40	.60	41.8
FLR02187	AG-100	12x24x12	800	1000	1250	.30	.40	.60	20.9
FLR02186	AG-100	24x24x8	1200	1600	2000	.30	.40	.60	29.0
FLR02182	AG-100	12x24x8	600	800	1000	.30	.40	.60	14.5
FLR02183	AG-100	16x20x8	660	880	1100	.30	.40	.60	15.8
FLR02184	AG-100	20x20x8	810	1080	1350	.30	.40	.60	19.8
FLR02185	AG-100	20x25x8	1020	1360	1700	.30	.40	.60	25.6
90-95% Efficiency									
FLR02181	AG-200	24x24x24	1600	2000	2500	.25	.40	.60	96.0
FLR02180	AG-200	12x24x24	800	1000	1250	.25	.40	.60	48.6
FLR02179	AG-200	24x24x12	1600	2000	2500	.40	.60	.80	41.8
FLR02178	AG-200	12x24x12	800	1000	1250	.40	.60	.80	20.9
FLR02177	AG-200	24x24x8	1200	1600	2000	.40	.60	.80	29.0
FLR02173	AG-200	12x24x8	600	800	1000	.40	.60	.80	14.5
FLR02174	AG-200	16x20x8	660	880	1100	.40	.60	.80	15.8
FLR02175	AG-200	20x20x8	810	1080	1350	.40	.60	.80	19.8
FLR02176	AG-200	20x25x8	1020	1360	1700	.40	.60	.80	25.6



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Literature Order Number	RSP-TS-191-EN
Date	March 2000
Supersedes	New
Stocking Location	La Crosse

Since American Standard has a policy of continuous product improvement, it reserves the right to change design and specifications without notice.