

1.0 General

1.1 - Air filters shall be medium efficiency ASHRAE pleated panels consisting of synthetic media, welded wire media support grid, and beverage board enclosing frame.

1.2 - Sizes shall be noted on drawings or other supporting materials.

2.0 Construction

2.1 - Filter media shall be a synthetic blend, lofted to a uniform depth of 0.15", and formed into a uniform radial pleat.

2.2 - A welded wire grid, spot-welded on one-inch centers and treated for corrosion resistance shall be bonded to the downstream side of the media to maintain radial pleats and prevent media oscillation.

2.3 - An enclosing frame of no less than 28-point high wet-strength beverage board shall provide a rigid and durable enclosure. The frame shall be bonded to the media on all sides to prevent air bypass. Integral diagonal support members on the air entering and air exiting side shall be bonded to the apex of each pleat to maintain uniform pleat spacing in varying airflows.

3.0 Performance

3.1 - The filter shall have a Minimum Efficiency Reporting Value of MERV 8 when evaluated under the guidelines of ASHRAE Standard 52.2. It shall also have a MERV-A of 8 when tested per Appendix J of the same standard. ISO 16890 rating is ePM₁₀ 50

3.2 - Initial resistance to airflow shall not exceed 0.23", 0.31" or 0.27" w.g. at an airflow of 350, 500 or 500 fpm on 1", 2" or 4" deep models respectively.

3.3 - The filter shall have an Energy Cost Index (ECI) value of five stars.

3.4 - The filter shall be listed by Underwriters Laboratories as UL Class 900.

3.5 - Manufacturer shall provide evidence of facility certification to ISO 9001:2015.

3.6 - Manufacturer shall guarantee the integrity of the filter pack to 2.0" w.g.

Supporting Data - Provide product test report including all details as prescribed in ASHRAE Standards 52.2, including Appendix J.

Filter shall be Camfil Farr 30/30 or equal.

Farr 30/30 1", 2" and 4" Pleated Filter

Nominal Depth (inches)	Part Number	Nominal Size (inches)	Actual Size (inches)			Airflow Capacity (cfm)	Total Media Area (sq. ft.)	Initial Resistance (inches w.g.)	Pleats per linear foot
			Depth	Height	Width				
1	054862025	12x12	0.88	11.5	11.5	350	2	0.23	16
	054862012	16x16	0.88	15.5	15.5	620	4		
	054862016	20x10	0.88	19.5	9.5	480	3		
	054862019	20x12	0.88	19.5	11.5	580	4		
	054862006	20x14	0.88	19.5	13.5	680	5		
	054862001	20x16	0.88	19.5	15.5	770	5		
	054862008	20x15	0.88	19.5	14.5	720	5		
	054862002	20x20	0.88	19.5	19.5	970	7		
	054862020	20x18	0.88	19.5	17.5	870	6		
	054862029	20x30	0.88	19.5	29.5	1450	10		
	054862021	22x22	0.88	21.5	21.5	1170	8		
	054862022	24x10	0.88	23.5	9.5	580	4		
	054862010	24x12	0.88	23.5	11.5	700	5		
	054862026	24x14	0.88	23.5	13.5	810	6		
	054862015	24x16	0.88	23.5	15.5	930	7		
	054862028	24x18	0.88	23.5	17.5	1050	7		
	054862011	24x20	0.88	23.5	19.5	1160	8		
	054862005	24x24	0.88	23.5	23.5	1400	10		
	054862023	25x10	0.88	24.5	9.5	600	4		
	054862024	25x12	0.88	24.5	11.5	720	5		
054862004	25x16	0.88	24.5	15.5	970	7			
054862007	25x14	0.88	24.5	13.5	850	6			
054862013	25x15	0.88	24.5	14.5	910	6			
054862017	25x18	0.88	24.5	17.5	1090	8			
054862003	25x20	0.88	24.5	19.5	1210	9			
054862014	25x25	0.88	24.5	24.5	1510	11			
2	402314001	12x12	1.75	11.62	11.62	500	4	0.31	15
	049880019	16x16	1.75	15.5	15.5	880	8		
	049880022	16x25	1.75	15.5	24.5	1380	12		
	049880024	18x18	1.75	17.5	17.5	1120	10		
	049880008	20x10	1.75	19.5	9.5	690	6		
	049880007	20x12	1.75	19.5	11.88	830	7		
	049880009	20x14	1.75	19.5	13.5	970	8		
	049880001	20x16	1.75	19.5	15.5	1110	10		
	049880013	20x18	1.75	19.5	17.5	1250	11		
	049880002	20x20	1.75	19.5	19.5	1380	12		
	049880023	20x24	1.75	19.5	23.5	1660	15		
	049880021	20x25	1.75	19.5	24.5	1730	15		
	402271007	20x30	1.75	19.5	29.5	2080	18		
	049880006	24x12	1.75	23.38	11.38	1000	8		
	049880016	24x16	1.75	23.5	15.5	1330	12		
	049880015	24x18	1.75	23.5	17.5	1500	13		
	049880012	24x20	1.75	23.5	19.5	1660	15		
	049880005	24x24	1.75	23.38	23.38	2000	17		
	049880010	25x14	1.75	24.5	13.5	1210	11		
	049880020	25x15	1.75	24.5	14.5	1300	11		
049880004	25x16	1.75	24.5	15.5	1380	12			
049880014	25x18	1.75	24.5	17.5	1560	14			
049880003	25x20	1.75	24.5	19.5	1730	15			
049880018	25x25	1.75	24.5	24.5	2170	19			
4	059413022	16x25	3.75	15.38	24.38	1380	19	0.27	11
	059413004	20x16	3.75	19.38	15.38	1110	15		
	059413003	20x20	3.75	19.38	19.38	1380	19		
	059413023	20x24	3.75	19.38	23.38	1660	23		
	059413021	20x25	3.75	19.38	24.38	1730	24		
	059413002	24x12	3.75	23.38	11.38	1000	14		
	059413011	24x16	3.75	23.38	15.38	1330	18		
	059413009	24x18	3.75	23.38	17.38	1500	21		
	059413008	24x20	3.75	23.38	19.38	1660	23		
	059413001	24x24	3.75	23.38	23.38	2000	28		
	059413005	25x16	3.75	24.38	15.38	1380	19		
	059413006	25x20	3.75	24.38	19.38	1730	24		
	059413010	25x25	3.75	24.38	24.38	2170	30		
059413007	25x29	3.75	24.38	28.38	2510	35			