Camfil 30/30 Dual 9

1. General
	1. Air filters shall be medium efficiency ASHRAE panel filter consisting of dual layered polyester media, a crossed wire grid, spot welded on one inch centers, and a 28 point high wet-strength beverage board enclosing frame.
	2. Sizes shall be noted on drawings or other supporting materials.
2. Construction
	1. Filter media shall be a dual layered polyester media, lofted to a uniform depth of 0.11”, and formed into a uniform radial pleat
	2. A welded wire grid, spot-welded on centers and treated for corrosion resistance, shall be bonded to the downstream side of the media to maintain the radial pleat and prevent media oscillation.
	3. An enclosing frame, of a 28 point high wet-strength beverage board that is bonded to the media shall provide a rigid and durable enclosure.
	4. Filters shall be made into high capacity pleat densities of 16 pleats per linear foot, 15 and 11 for 1”, 2” and 4” depths respectively.
3. Performance
	1. The filter shall have a Minimum Efficiency Reporting Value of MERV 9 when evaluated under ASHRAE Standard 52.2. It shall have a MERV-A of 9 when tested per Appendix J of the same standard. The media shall maintain or increase in efficiency over the life of the filter.
	2. The filter shall have an ISO 16890 performance rating of ePM10 – 55%
	3. Initial resistance to airflow shall not exceed 0.24”, 0.30” or 0.27” w.g. at an airflow of 350, 500 or 500 fpm on 1”, 2” or 4” deep models respectively.
	4. The filter shall be listed by Underwriters Laboratories as UL Class 900
	5. Recommended filter change out resistance is 1.0” w.g.
	6. Manufacturer shall provide evidence of facility certification to ISO 9001:2015
	7. Performance guarantee
		1. Camfil guarantees the 30/30 Dual 9 will last 9 months in operation, before it reaches 1.0” w.g. of static pressure while in use in any facility operating their ventilation system greater than 100 hours per week. This would typically include hospitals, food and beverage, industrial manufacturing, colleges and universities, pharmaceutical and microelectronics production, etc. Camfil guarantees the 30/30 Dual 9 will last 9 months in operation before requiring change in these high loading applications.
		2. Camfil guarantees the 30/30 Dual 9 will last 12 months in operation, before it reaches 1.0” w.g. of static pressure in any facility operating their ventilation system less than or equal to 100 hours per week. This would typically apply to commercial applications such as retail, schools and office buildings where smaller packaged RTU’s and air handling units are used. For these applications, Camfil guarantees the 30/30 Dual 9 will last 12 months in operation before requiring change in the low to moderate loading applications.