

New and Improved Filter Frame Design

In April of this year, Titus introduced a new filter frame design for our return filter grille product line. The new "universal" filter frame design allows for use of a single common frame design across all filter grille models. Our goal with this change is to make significant improvements in product design, quality and functionality.

The new filter frame design is a substantial improvement over the previous design. The new design has the same dimensions (length, width, depth) for the type 1 and type 3 borders. Standardizing the dimensions for these two border types allows reps to stock only one model for both lay-in and surface mount applications for specific ceiling grid sizes. For example a 20" x 20" 350RLF can be used in surface mount applications and will also fit into a 24" x 24" ceiling grid for lay-in applications. In addition, the new design has a wider frame flange than the previous design. This allows for more forgiveness when covering up the wall or ceiling opening in surface mount applications. The narrow frame flange of our previous design also limited the type and size of the quarter turn fastener and receptacle that could be used for each model. The wider flange on our new design allows us to use a much higher quality quarter turn fastener and larger receptacle. Now, the fastener assembly is much



The 350RLF grille with the new Universal Filter Frame.

easier to operate and provides quick access to the filter rack for filter replacement or duct access.

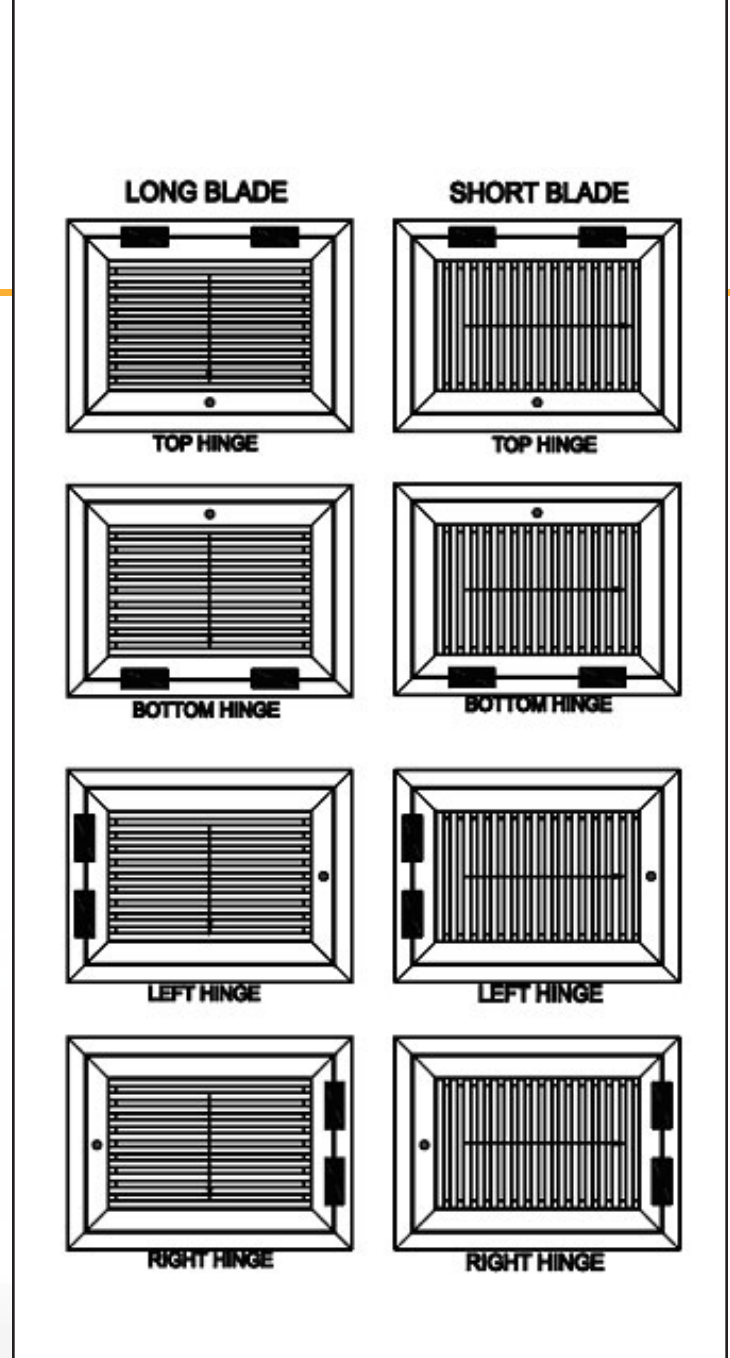
Another major improvement with the new universal filter frame design is the addition of several new sizes. Now, all return filter grilles are available in standard sizes from 6" x 6" to 48" x 36" (depending on model). In addition, the

2" filter frame has been added as a standard option for all of the AeroBlade, perforated and eggcrate filter grille series. The chart below summarizes the maximum size for each filter grille model by border type.

Filter Grille Model	Maximum Size	
	Border 1	Border 3
350RF series	48 x 36	44 x 20
350FF series	48 x 36	44 x 20
3, 4, 55, 56FF series	48 x 36	44 x 20
50FF series	48 x 36	44 x 20
8RF, 8FF series	48 x 36	44 x 20
23RF, 25RF series	48 x 36	44 x 20
30RF, 33RF series	48 x 24	n/a

To simplify the ordering process for return filter grilles a diagram has been added to the order procedures for every filter grille model. A copy of the diagram for the 350RFL series is shown to the right. The purpose of the diagram is to illustrate the different hinge locations and to provide a better understanding of the proper orientation of each hinge location code when placing an order.

In summary, the new Titus universal filter frame is a major improvement for our return filter grilles. The new frame design improves quality, enhances functionality, and provides a greater range of standard sizes and options to compete in the market.



Front of filter grille is shown in diagram. Arrows indicate blade deflection

