



Clean Liquid Systems LLC

20150 Kuykendahl Rd. Unit 200

Spring, TX 77379

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www.cleanliquidsystems.com

Baffle filters for commercial applications

For collection of grease, oil mist, sand and other applications.

Application: BAFFLE style filters are specifically made for kitchen ventilating systems and are designed for installation in standard canopies. A series of offset baffles positioned vertically within the frame alters the flow of grease-laden air. The grease collects on the baffles and drains downward. Holes in the frame bottom direct the grease into a trough and then to a container away from the fire danger area.



Available in Aluminum, galvanized or Stainless Steel construction

Construction: The Baffle style uses a metal frame to enclose the baffles. The corners are mitered and the frame is secured with pop rivets. The concave shape of the frame increases the integral strength of the filter. The metal baffles are squared off in form, with end flanges to prevent re - entry of the grease into the airstream, and are secured to the frame with rivets.

| CONSTRUCTION | | | | | | |
|------------------------------------|-----------------------|-----------------|---------------|--------------------------|-----------------|---------------|
| Frame Alloy | .020" aluminum | | | 22 gauge stainless steel | | |
| Frame Thickness | Nominal* 2" | | | Nominal* 2" | | |
| Baffle Alloy | .020" aluminum | | | 22 gauge stainless steel | | |
| APPLICATION | | | | | | |
| Application | Grease | | | Grease | | |
| Washability | Frequent and moderate | | | Frequent and rigorous | | |
| STANDARD SIZES | | | | | | |
| Nominal* Dimensions (H x W x T) | Part Number | Carton Quantity | Carton Weight | Part Number | Carton Quantity | Carton Weight |
| 16 x 20 x 2 | BFA-16202 | 6 | 16.0 | BFS-16202 | 6 | 30.0 |
| 16 x 25 x 2 | BFA-16252 | 6 | 18.0 | BFS-16252 | 6 | 36.0 |
| 20 x 20 x 2 | BFA-20202 | 6 | 18.0 | BFS-20202 | 6 | 36.0 |
| 20 x 25 x 2 | BFA-20252 | 6 | 22.0 | BFS-20252 | 6 | 45.0 |
| 25 x 20 x 2 | BFA-25202 | 6 | 22.0 | BFS-25202 | 6 | 45.0 |

BAIL HANDLE INSTALLED

BAIL AND LIFT HANDLES



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SIZING INFORMATION

• What does Nominal mean? Standard filters are of a nominal dimension. This means the height, width and thickness dimensions are undercut by a certain amount. See below for the exact amount of undercut for each dimension.

1. Five standard nominal size filters are available in a thickness of nominal 2" (actual 1-7/8") only and are 1/2" undercut on the height and width dimensions.
2. When selecting a filter from our standard list, the first dimension shown represents both the height of the baffles and the vertical position for installation.
3. Special size filters are available.
4. Tolerance height and width: $\pm 1/8$ "
5. Tolerance thickness: $\pm 1/32$ "

CLASSIFICATION AND TEST NOTES

1. The baffle filter is UL listed.
2. The filter has an average efficiency of 94% at 300 fpm face velocity.

FILTER CLEANING

1. For moderate-use applications, wash the filters in a dishwasher daily.
2. For heavy-use applications, presoak filter in a detergent solution prior to cleaning in a dishwasher.

OPTIONS

1. Handles are available, and can be installed on the filters at the factory or purchased separately for field installation.

INSTALLATION CONSIDERATIONS

Install the filter at an angle no greater than 45° from vertical to allow grease to flow freely through the drain holes without pooling. Be sure the baffles are in a vertical position.

