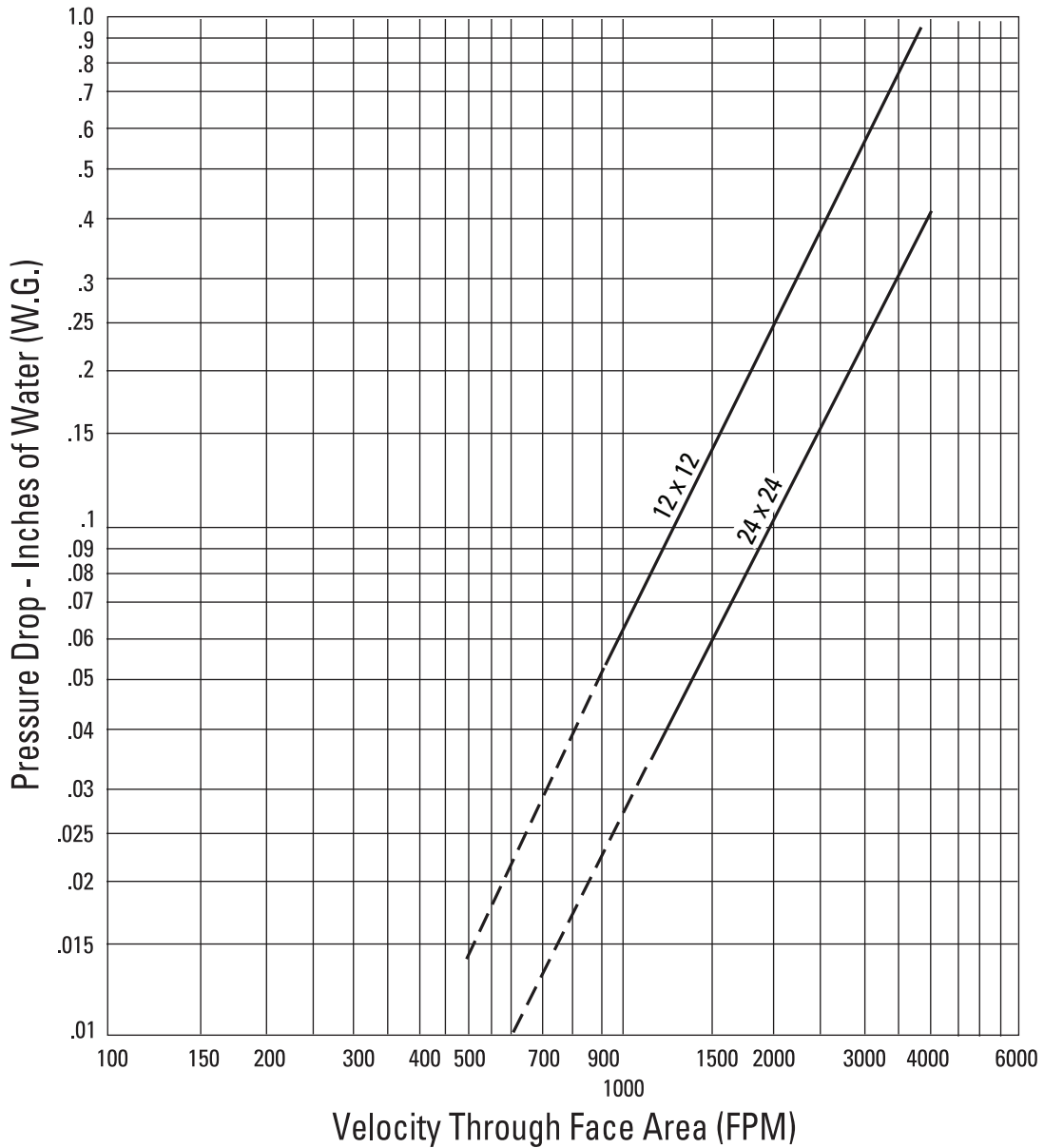


Pressure Drop



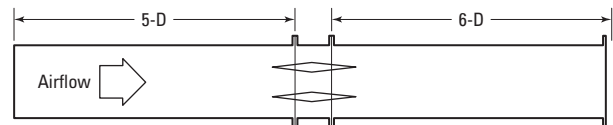
- To determine pressure drop:**
1. Locate the applicable face velocity on the bottom of the chart.
 2. Move up the chart to the most appropriate size damper line.
 3. From the intersection point, move left to determine the pressure drop.

AMCA Figure 5.3 - Ducted Inlet and Outlet

Pressure drop testing was performed by an independent laboratory to the AMCA Standard 500-D, Fig. 5.3 (ductwork upstream and downstream).

Note:

Pressure Drop for both sizes reflect damper face area only, and does not take into account the 6" deep quadrant compartment.



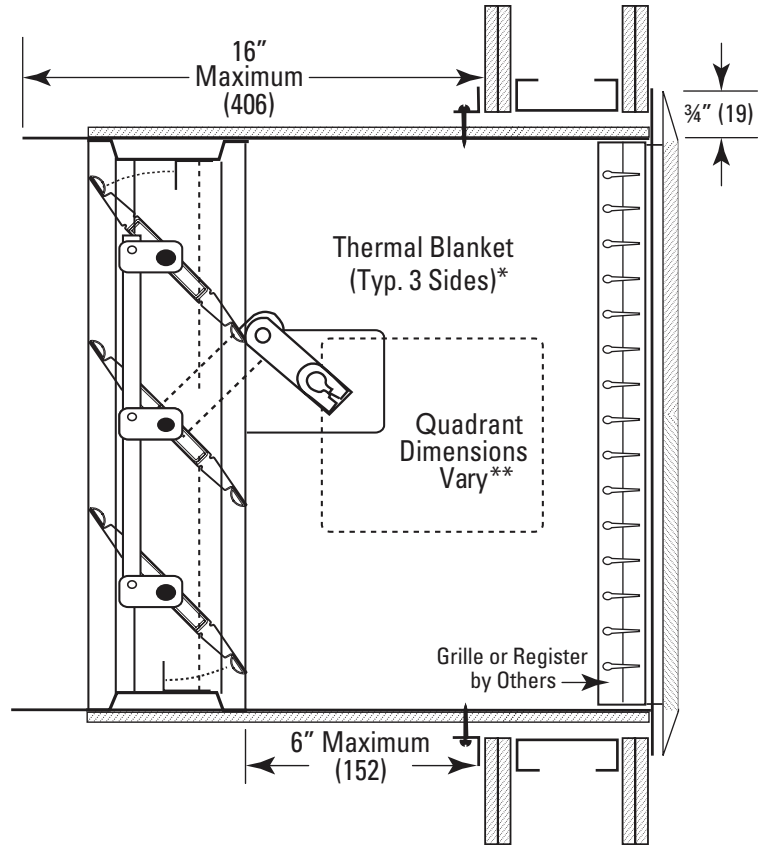
Sleeve Requirements:

Sleeve must be installed at the factory for out of wall/floor products. As with all fire rated damper installations, the sleeve must fully penetrate the wall/floor being protected.

Sleeve length is dependent upon damper height, grille depth (including OBD) and quadrant selection:

- Standard clearance allowance for grille inset is 3" (76).
- Maximum sleeve length is 16" (406) plus the total wall depth.

Sleeve is provided with a 3/4" (19) flange on the quadrant end of the sleeve by default. Flange must be on top of barrier in horizontal installations.



*Thermal Blanket provided 3 sides for Vertical and 4 sides for Horizontal. **3" clearance supplied for grille standard.

Thermal Blanket:

A factory installed thermal blanket is provided on three sides (bottom excluded) for dampers ordered for vertical installation and on all four sides for dampers ordered for horizontal installation.

Due to the nature of the application for Out-of-Wall and Out-of-Floor Fire dampers, a 0.25" (6) thermal blanket is installed around the sleeve at the factory.

This insulation is required as part of the UL Listing of the out of wall/out of floor assembly and must not be removed.

Top View

