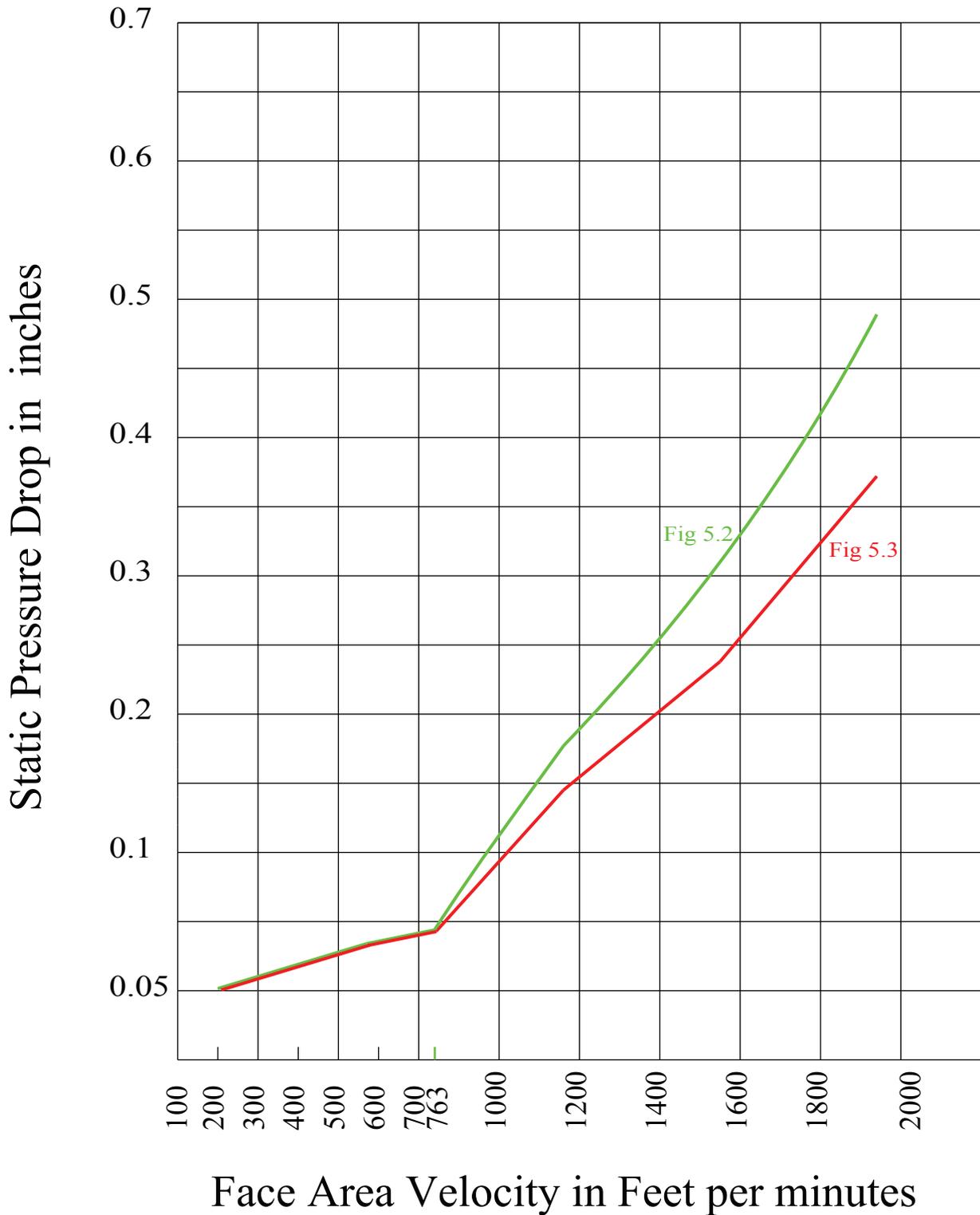




AIR CONTROL DAMPER MODEL BDD 190 AIR PERFORMANCE



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These pressure drop testing were conducted in accordance with AMCA Standard 500-D-98 using the two configurations shown. Actual pressure drop found in any HVAC system is a combination of many factors.

This pressure drop information along with an analysis of other system influences should be used to estimate actual pressure losses for a damper installed in a given HVAC system.

Tests work were carried out in AMCA laboratories under test No. 20275 ID1 & ID2 at damper size 36"x 36".

During the test at fig 5.2, the damper reached a full open position at 763 fpm @ 0.072".

Leakage tests work were carried out in AMCA laboratories under test No. 20276 at damper size 48"x 48"

AMCA Test Figures

Figure 5.3 Illustrates a fully ducted damper. This configuration has the lowest pressure drop of the test configurations because entrance and exit losses are minimized by straight duct runs upstream and downstream of the damper.

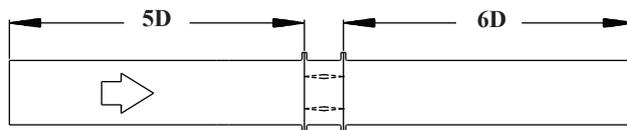


Figure 5.2 Illustrates a ducted damper exhausting air into an open area. This configuration has a higher pressure drop than Figure 5.3 because exit losses are not minimized.

