

# In the Line of FIRE

**RUSKIN®**

**More Ruskin Puts  
the Damper on  
Pressure Drop!**

**By: Richard Cravy**

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By now you have had a chance to read and circulate the first Ruskin Puts the Damper on Pressure Drop! That was the subject of the In the Line of Fire for March, 2003.

The first Ruskin Puts the Damper on Pressure Drop focused on the FSD60 and how it is the best performing fire smoke damper in the industry. There are no equals. The FSD60 offers less resistance to airflow than other fire smoke dampers and can save the building owner money. The FSD60 cannot be beat on sizes up to and including 32" x 36" (813 x 914).

What, however, about sizes larger than 32" x 36" (813 x 914). Does good performance stop there? The answer to that question is a resounding NO! That is because of the Ruskin FSD60V, vertical blade fire smoke damper. The FSD60V solves performance problems presented by fire smoke dampers larger than 36" (914) wide. Other manufacturers must build fire smoke dampers in multiple sections when the size exceeds 36" wide; that means higher pressure drops. The FSD60V, however, is a single section damper in sizes up to and including 48" wide x 32" high. The FSD60V takes the great performance of the FSD60 to larger sizes and lower levels (pressure drop levels that is).

In order to show how good the FSD60V really is, it has to be com-

pared to the best. Therefore, the table below compares the industry's best performing fire smoke damper, the Ruskin FSD60, with the Ruskin FSD60V. The FSD60, in the sizes shown, is a multiple section fire smoke damper. The FSD60V is a single section fire smoke damper. The velocity for the comparison is 1000 fpm.

Size	FSD60	FSD60V
36 x 12	0.065	0.045
36 x 20	0.048	0.025
40 x 16	0.056	0.026
44 x 20	0.042	0.021
48 x 24	0.034	0.017

As you can see, the FSD60V performed, on an average, over 40% better than the FSD60. What that means is there are only two valid choices when specifying fire smoke dampers, the FSD60 and the FSD60V. Specify and use the FSD60 for single section sizes and the FSD60V for sizes up to 48" wide.

Take some of the guesswork and uncertainty out of the design process. Save the building owner money! Specify fire smoke dampers that pay for themselves! Specify, with confidence, the best performing fire smoke dampers in the industry! Specify the FSD60 and the FSD60V!