

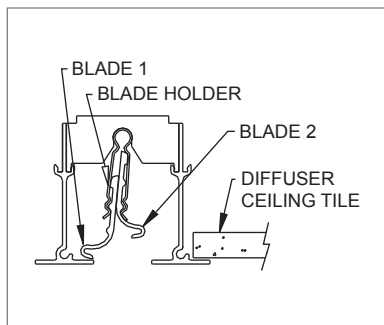
1900SQS, 1900SQSI, 1900SQR Airflow Adjustment & Details

AIRFLOW ADJUSTMENT

The 1900SQ series is capable of both volume and directional control. The blades pivot and slide up and down to give you total flexibility and control.

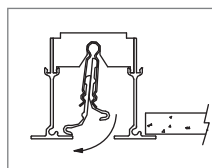
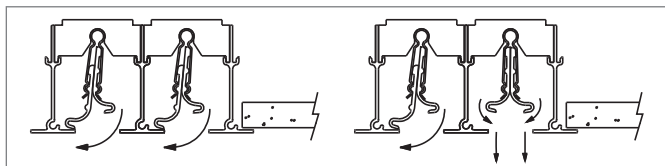
In the Blade Detail (below), locate the blades and blade holder. Each blade has three positions - up, mid, and down. Similarly, the blade holder has three positions - out, center, and in.

1900, BLADE DETAIL



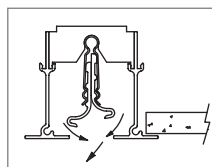
For this example, the blade holder is set to out; blade one is down and blade two is up. Keep in mind that slight variations in blade adjustment can have a big effect. The examples shown here are only a guide. In critical zones, actual airflow direction should be verified visually or by measurement.

MULTIPLE DIRECTIONAL THROW



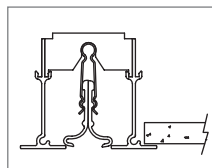
HORIZONTAL FULL FLOW

Blade Holder = Out
 Blade 1 = Down
 Blade 2 = Up
 Result: Creates tight ceiling pattern.



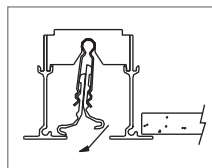
ANGLED FLOW

Blade Holder = Center
 Blade 1 = Mid
 Blade 2 = Up
 Result: Deflects the pattern down slightly.



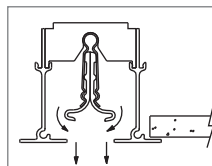
FULL DAMPERED

Blade Holder = Center
 Blade 1 = Down
 Blade 2 = Down
 Result: Full dampered flow that is to be used for volume control only.



HORIZONTAL DAMPERED FLOW

Blade Holder = Out
 Blade 1 = Down
 Blade 2 = Mid
 Result: Creates tight ceiling pattern with reduced air volume.

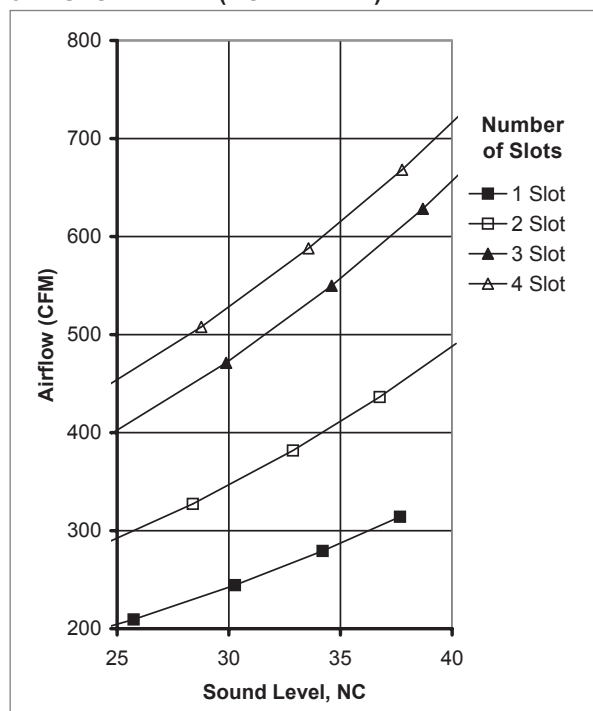


VERTICAL FLOW, BLADES UP

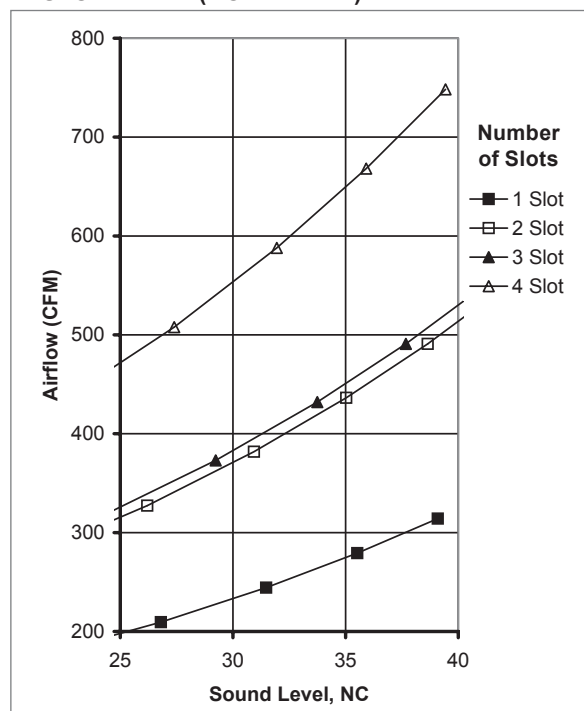
Blade Holder = Center
 Blade 1 = Up
 Blade 2 = Up
 Result: Directs airflow downward; move both blades to mid for reduced flow.

1900SQS Reference Charts

AIRFLOW VS. NC: 1900SQS,
 3/4" SLOT WIDTH (NO DAMPER)

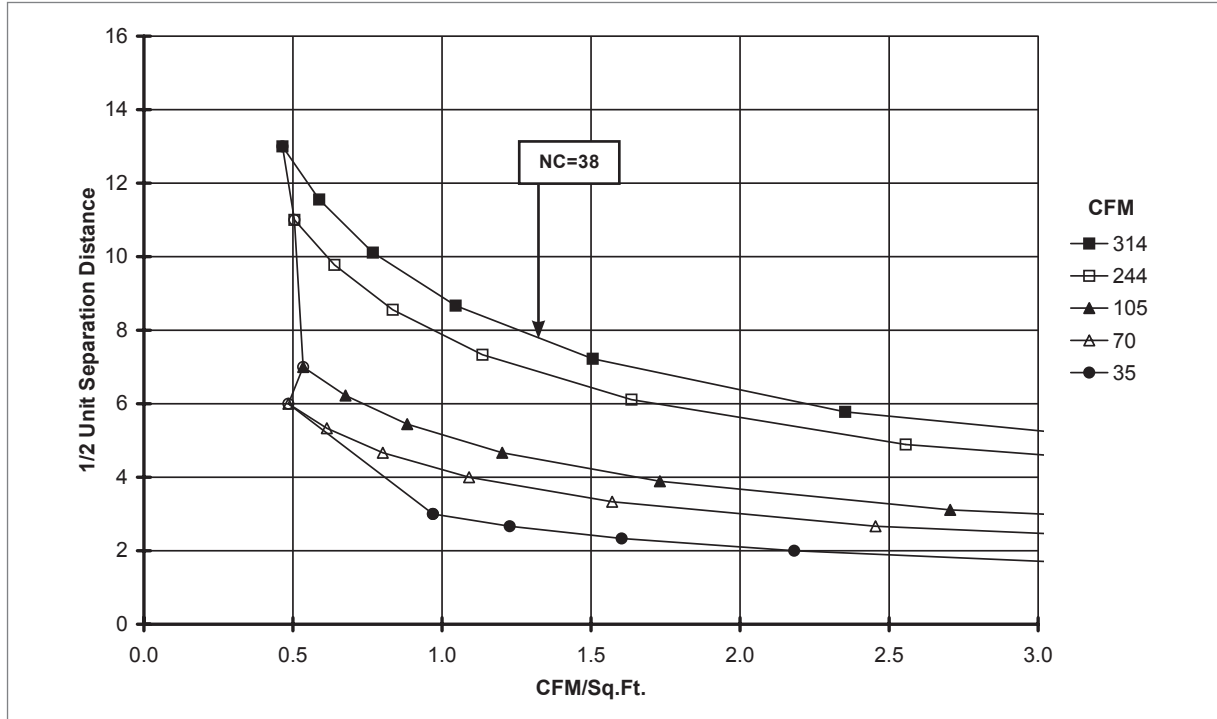


AIRFLOW VS. NC: 1900SQS,
 1" SLOT WIDTH (NO DAMPER)

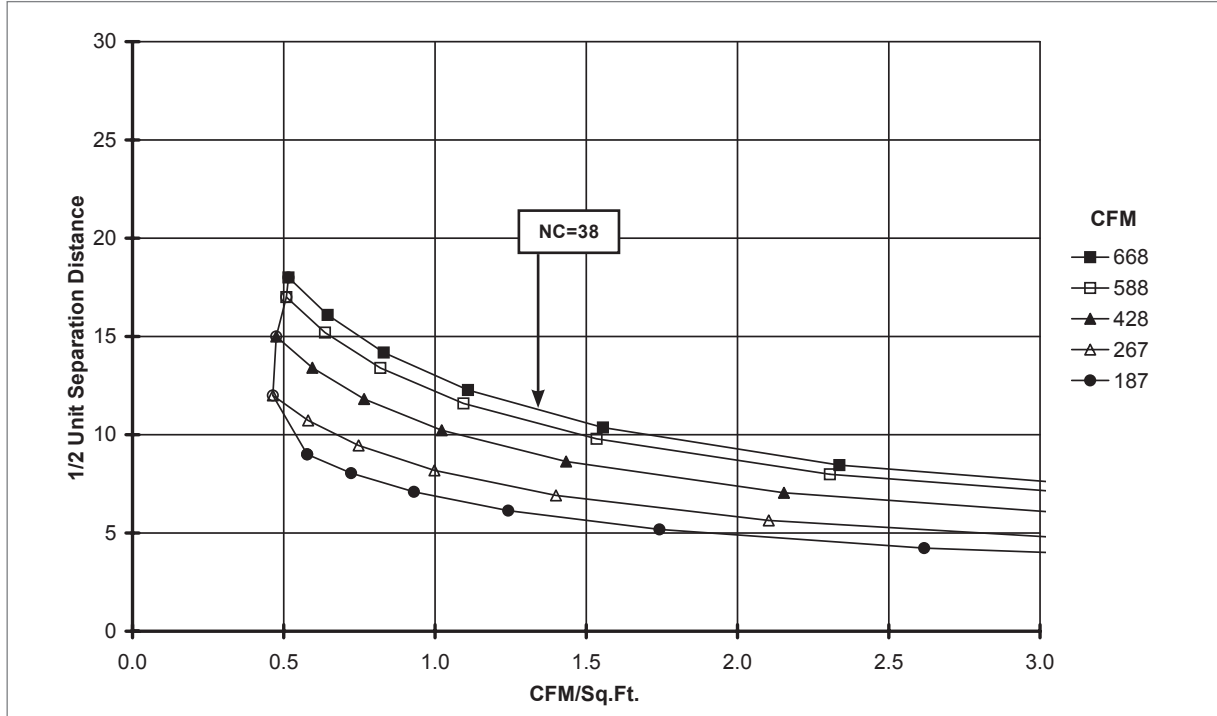


1900SQS Reference Charts: Horizontal Throw

SPACING FOR 80% ADPI: 1900SQS, 3/4" SLOT WIDTH, 1-SLOT, 8" INLET (NO DAMPER)



SPACING FOR 80% ADPI: 1900SQS, 3/4" SLOT WIDTH, 4-SLOT, 14" INLET (NO DAMPER)

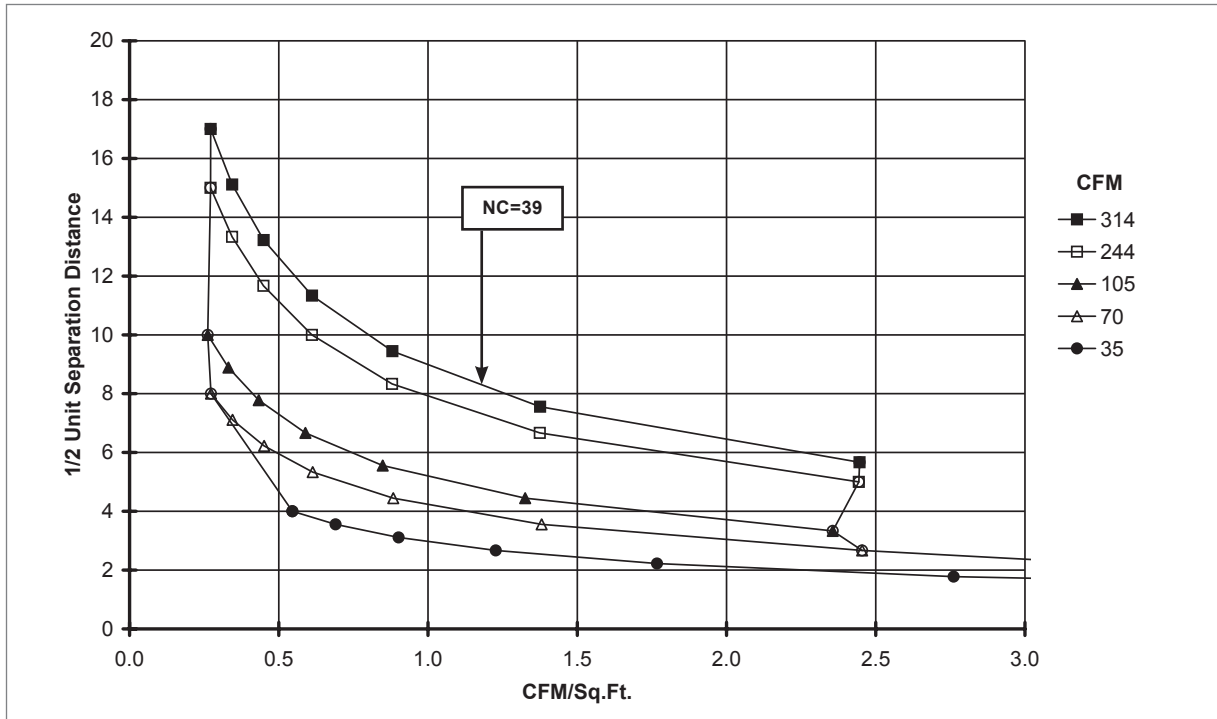
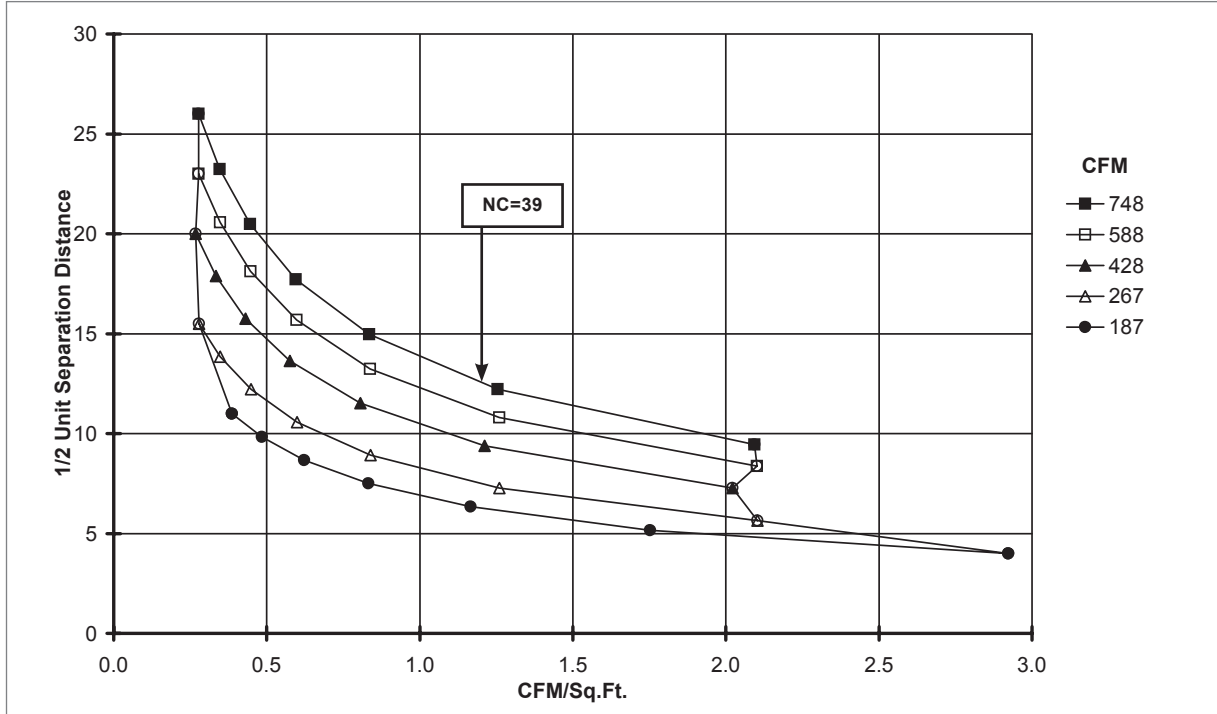


Charts are at 20 BTUH/ft² loads.

See the Engineering section of this catalog for instructions on how to read these charts and additional ADPI information.

LINEAR SLOT DIFFUSERS

1900SQS

1900SQS Reference Charts: Horizontal Throw
SPACING FOR 80% ADPI: 1900SQS, 1" SLOT WIDTH, 1-SLOT, 8" INLET (NO DAMPER)

SPACING FOR 80% ADPI: 1900SQS, 1" SLOT WIDTH, 4-SLOT, 14" INLET (NO DAMPER)


Charts are at 20 BTUH/ft² loads.

See the Engineering section of this catalog for instructions on how to read these charts and additional ADPI information.