C-B Exhaust Silencers are single pass devices designed to give maximum attenuation of both low and high frequency noise for steam exhausting to atmosphere.

Two models are offered - the SES-S and the SES-H, the latter a longer design for increased noise attenuation.

The steam enters the inlet of the silencer where the flow is dispersed through the inlet diffuser tube into hundreds of smal jet flows. This provides for a quiet flow into the silencer and the first stage silencing chamber. The diffuser also directs the flow toward the outer walls of the silencer body. The steam then repeats the process, contracting and expanding into the second stage chamber. Steam is quietly released to the atmosphere through the silencer outlet.

The Exhaust Silencer has a maximum flow rating which should be considered for sizing. The inlet size is determined by this rating. Flows over this capacity could damage the interior of the silencer, decreasing its effectiveness.

**FEATURES AND BENEFITS**

- Dual absorption chambers - each lined with Dalcon acoustical material
- Perforated plate design for enhanced mid- and high-frequency absorption
- Strategically placed dissipative chamber openings for low frequency absorption
- Up to 900 fps inlet velocity
- Rated for 800 degrees F
DIMENSIONS

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## NOISE REDUCTION LEVELS

**Attenuation in dB**

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SELECTION CHARTS

HOW TO USE THE SELECTOR CHART

Go across the bottom of the Chart to the flow that you have for steam in lbs./hr. for Air in SCFM. Then go up the chart to the maximum inlet flow to 9000 ps. Read directly off of the chart the Silencer inlet size. If the intersection falls on the line go to the larger size. Go from the intersection to the left of chart to read pressure drop. If pressure drop is too high go down to pressure drop desired, go right of chart until it intersects with flow line. This is the Silencer required for that pressure drop.

CHART 1

CHART 3

INLET DIAMETER (IN.)

INLET VELOCITY (FT/SEC.)

PRESSURE DROP (PSI)

INLET VELOCITY (FT/SEC.)

PRESSURE DROP (PSI)

STEAM FLOW (LB./HR.)

STEAM FLOW (LB./HR.)

SES-II SILENCER SATURATED STEAM

SES-S SILENCER SATURATED STEAM