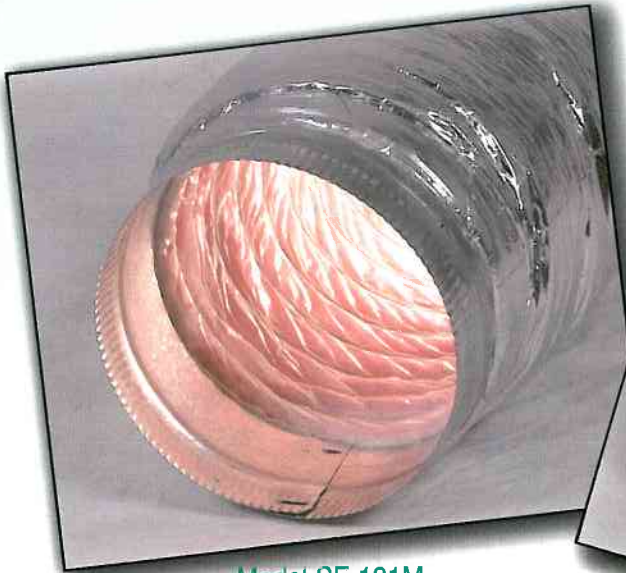


# CASCO

C. A. SCHROEDER, INC.

## SILENT • FLEX II

*The Second Generation Acoustical Flex Duct*



Model SF-181M



Model SF-181M w/ CC/CC & DAMPER

**DESCRIPTION** - CASCO Model SF-181M is a fully insulated, Class 1, U.L. listed Air Duct. This versatile product is designed for low pressure commercial, industrial and residential applications where sound attenuation is important. Complete acoustical test report available upon request (ADC Test Code FD 72-R1).

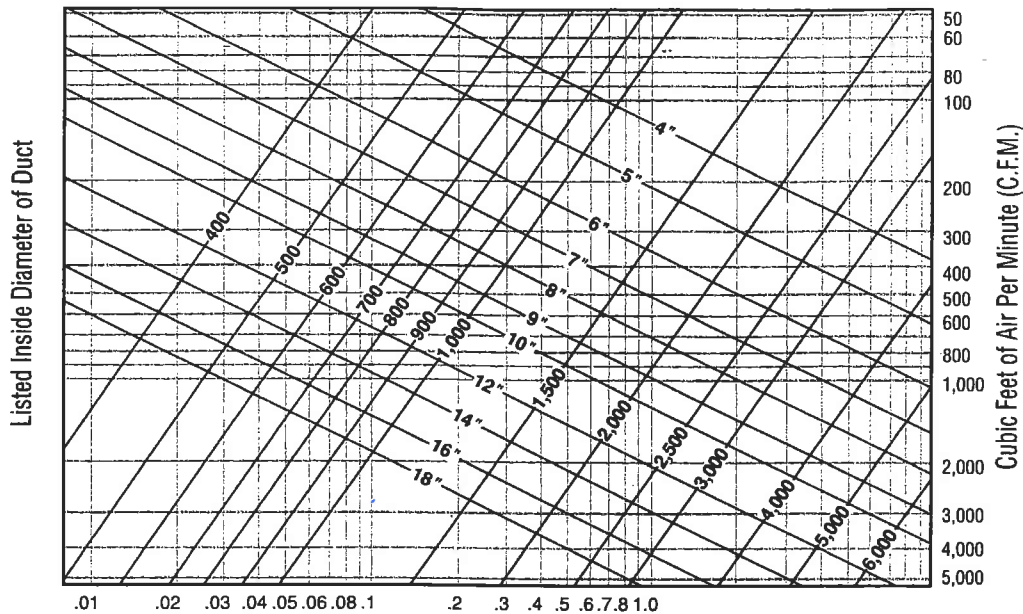
**END TREATMENT** - Standard adjustable male/female collars with taped down ends. Factory installed dampers are available for volume adjustments at the most convenient location. Stainless steel connecting (CC) clamps can be installed on the collar, making connections to fittings easier.

### Construction Features

- **LINER** - Spunbonded nonwoven nylon which has a porous surface for maximum sound absorption
- **HELIX** - High carbon, spring steel wire.
- **FULLY INSULATED** - R-4.2 and R-8.0 standard.
- **JACKETING** - Standard product is a metalized polyester sleeve that is a U.L. rated, Class 1 outer jacket.
- **PACKAGING** - Compression packaged for easy handling and storage.

Air Friction Chart

Velocity of Air, Feet Per Minute (F.P.M.)



Friction Loss in Inches of Water Per 100 Feet

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### TECHNICAL INFORMATION

#### Performance Features

- **FULLY APPROVED** – Listed and labeled by Underwriters Laboratories as a Class 1 Air Duct in accordance with Standard 181. Meets all requirements of NFPA-90-A & 90-B, UMC, IMC and FHA/HUD.
- **MAXIMUM AIR VELOCITY** – Silent Flex is rated for continuous operation up to 4,000 FPM.
- **OPERATING PRESSURE** – Positive pressure of 2" W.G. and negative pressure of 1/2" W.G. on all diameters.
- **SIZES** – Available as standard 6' lengths, in diameters of 4" thru 10" (1" increments) and 12" thru 20" (2" increments). 25' raw both ends are also available.
- **PERM RATING** - Of outer jacket - .05 Perms
- **OPERATING TEMPERATURE** – 0° F to 200° F
- **FIRE SAFETY** – Class 1 with less than 25/50 Fire Hazard Classification (ASTM E84, U.L. - 723).

#### Friction Loss Chart

Friction loss data is shown above in inches of water gauge per 100 feet of straight duct. Values may be arrived at if either CFM or FPM for a given duct diameter is known. The chart may also be used in converting CFM to FPM.

#### WARRANTY

CASCO warrants that all flexible duct be free from defects in material and workmanship for a period of one year from date of purchase. This warranty only applies if the duct is installed in accordance with CASCO's installation instructions and under conditions specified in CASCO's product performance data sheet. The buyer's exclusive remedies for any defect in the flexible ducts shall be replacement or refund of the purchase price, at CASCO's option.

CASCO makes no other warranties, express, implied, statutory or otherwise. In particular, CASCO makes no warranty of merchantability or fitness for a particular purpose. CASCO shall have no liability to the buyer or any third party for incidental or consequential damages of any kind whatsoever, including, but not limited to, personal injury, property damages, lost profits or other economic injury due to any defect in the flexible ducts.

ALL CASCO PRODUCTS ARE UNION MADE

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