

# CASCO

## PRODUCT SPECIFICATIONS

### Flexible Aluminum Duct



#### DESCRIPTION

CASCO Flexible Aluminum Duct has a single wall which is helically corrugated with our unique Four-Ply Interlocking Seam. This construction insures an airtight seam, while the circumferential corrugations provide optimum mechanical strength and flexibility. This self-supporting duct prevents unexpected sagging, bunching, and assures the design engineer minimum friction loss. Easily cut with a pocket knife or can be formed into offsets, elbows, etc., by hand.

CASCO Flexible Aluminum Duct is a highly satisfactory flexible duct in both high and low pressure systems, over a wide temperature range. It is leak proof, fire resistant, bendable, light weight, self-supporting, easy to reshape, economical, easy to install, yields superior air flow, dampens vibration, is vermin proof and does not support mold growth.

DIAMETER	3	4	5	6	7	8	9	10	12	14	16	18	20
BEND RADIUS	1 1/2	2	2 1/2	3	3 3/4	4	4 1/2	5	6	7	8	9	10
POSITIVE PRESSURE	1 1/2" w/ collars*												
NEGATIVE PRESSURE	1/2" w/ collars*												
MAX. AIR VELOCITY	8000 FEET PER MINUTE												

\* See Installation Instructions On Back

- **Diameters:** Available in 3" thru 24" diameters with factory installed collars.
- **Temperature:** Tested and suitable for handling continuous operation at temperatures ranging from 10°F to 250°F.
- **Erosion:** Because the airstream is completely separated from the insulation by the duct, the possibility of fiberglass particle erosion is eliminated.
- **Thermal Efficiency:** CASCO Flexible Aluminum Duct is wrapped with a 1 1/4" thick, 3/4LB fiberglass insulation (K = .29), (R-VALUE = 4.2). It is then sheathed with a U.L. Class 1 rated polyethylene vapor barrier jacket (flame - less than 25, smoke - less than 50). Mechanical Code requirements for factory made ducting. (Chapter 6) **Also available in R-6.0 and R-8.0**
- **Code Compliance:** Listed and Labeled UL-181 Class 1, Air Duct. It complies with NFPA Bulletins 90A and 90B, FHA/HUD, National Building Codes, LA City RR #7649 and other approval authorities.

## CASCO AIRDUCT

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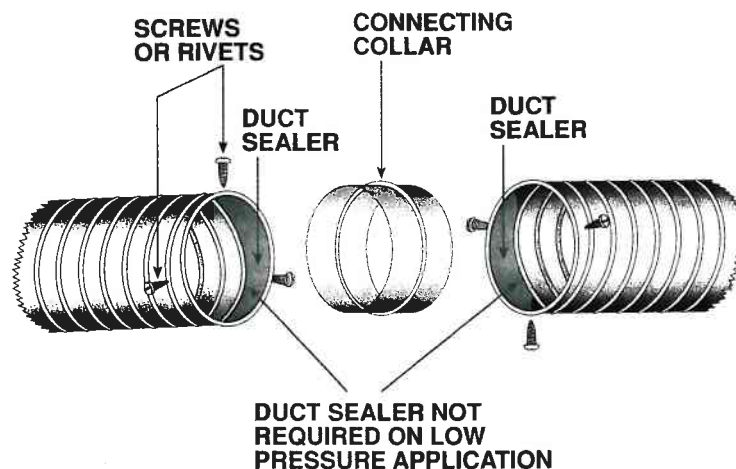
## INSTALLATION INSTRUCTIONS

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### Flexible Aluminum Duct

**Low Pressure** - Up to 1 1/2" w.g. insert connecting collar or fitting into the duct. Secure with three sheet metal screws or rivets equally spaced. Seal joint with two wraps of U.L. Listed 181B-FX tape - Flexmate 285 or equal.

When duct is supplied with factory applied insulation, the jacket and insulation shall be lapped and sealed with a U.L. Listed 181B-FX tape - Flexmate 285 or equal.



**High Pressure** - High Pressure - Over 1 1/2" w.g. apply a coating of high velocity duct sealant to the interior of the duct two inches in width. Insert connecting collar or fitting and secure with three sheet metal screws or rivets, equally spaced. Apply a brush coating of sealer over sheet metal screws and joint.

L.A. City Approved ~~Research Report #RR7649~~  
Complete test data available upon request.