



Flexible Aluminum Duct

Product Specifications



DESCRIPTION

Especial "T" Flexible 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 eight 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.

Especial "T" 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.

- Diameters: Available in 3" thru 20" diameters with factory installed collars.
- Made out of aluminum 3003-0 Alloy .0060 thickness.
- 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: Especial "T" Flexible Aluminum Duct is wrapped with a 1 ½", 2" and 3" thick, 3/4LB fiberglass insulation (K=.29). (1.5" R-VALUE = 4.2) (2" R-VALUE = 6.0) (3" R-VALUE = 8.0)
- It is then sheathed with a U.L. Class 1 rated Reinforced polyester Metalized vapor barrier jacket (flame-less than 25, smoke-less than 50). Mechanical Code requirements for factory made ducting. (Chapter 6)

DIAMETER	3	4	5	6	7	8	9	10	12	14	10	18	20
BEND RADIUS	1½	2	2½	3	3½	4	4½	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												

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