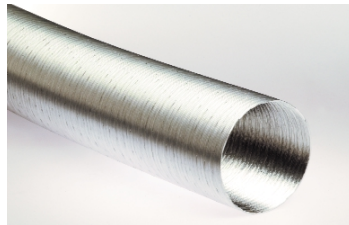
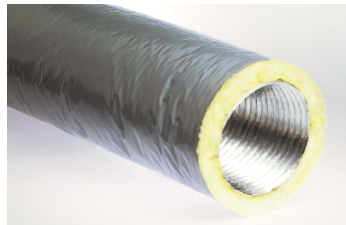


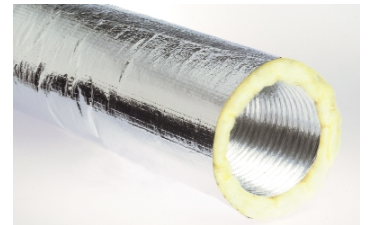
Clevaflex T12-Series High Pressure Flexible Duct



Type 12



Type 12FV



Type 12FA

Construction:

2-plys of aluminum permanently fused together and corrugated creating a continuous inner and outer surface that is air-tight, flexible and strong.

Type 12FV has a Type 12 core wrapped with fiberglass insulation and sleeved in a polyethylene vapor barrier.

Type 12FA has a Type 12 core wrapped with fiberglass insulation and sleeved in a fiberglass reinforced metalized polyester vapor barrier.

Length:

10' standard

10' standard

10' standard

Operating Temp:

0° – 750°F

10° – 200°F

10° – 200°F

Velocity:

5000 FPM

5000 FPM

5000 FPM

Working Pressure:

20" WC positive and negative

20" WC positive and negative

20" WC positive and negative

Burst Pressure:

88" WC

88" WC

88" WC

2-Ply Aluminum Core

Inner Ply: .0025" thick, AL 1100 – H19

Outer Ply: .003" thick, AL 3003 – 0

.0025" thick, AL 1100 – H19

.003" thick, AL 3003 – 0

.0025" thick, AL 1100 – H19

.003" thick, AL 3003 – 0

Insulation:

NA

1-1/2" thick, .5 lb density min.

1-1/2" thick, .5 lb density min.

R-Value:

NA

4.5 and 6.0 available

4.5 and 6.0 available

Vapor Barrier:

NA

0.17 perms

0.05 perms

ID Size		3"	4"	5"	6"	7"	8"	9"	10"	12"	14"	16"
Weight oz/ft	Type 12	2.0	3.0	5.0	6.0	6.9	7.8	11.0	12.0	14.3	17.0	19.4
	Type 12FV, 12FA	2.9	4.1	6.3	7.6	8.3	9.6	12.5	13.5	16.1	19.8	22.6
Crush Strength – lbs/ft		150	140	140	125	110	100	110	100	90	100	90
Span – Max Unsupported		4'	5'	6'	7'	7'	8'	9'	10'	10'	10'	10'

Note: ID Sizes are nominal and weights are approximate.

Codes:

- Clevaflex Type 12, Type 12FV and Type 12FA have been tested by Underwriters' Laboratories to UL Standard 181 and they are listed as Flexible Air Duct Connectors, Class 1.
- Clevaflex Type 12, Type 12FV and Type 12FA meet the requirements of Bulletin 90A of the National Fire Protection Association for all diameters.



Clevaflex



Clevaflex T12-Series

High Pressure Flexible Duct

Applications:

1. For main trunk and return lines.
2. Vertical take-off from supply duct to single outlet to compensate for misalignment.
3. Connecting lines from mixing boxes in the main trunk systems or directly from the plenum to room inlets or diffusers.
4. Connecting lines to under-window perimeter units.
5. Connector to combination light troffers.
6. Connector from low pressure side of attenuation boxes to diffusers.
7. Connector from hot and cold duct to mixing boxes on high pressure side of dual duct systems.

Performance Benefits:

1. Improved Air Flow – maintains a constant cross-sectional area throughout a bend with pressure loss comparable to die-formed elbows.
2. Flexible and Easy to Install – will not kink on 90° bends making it easy to use in tight areas.
3. Economical Installation – easily field-cut to desired length eliminating waste and reducing handling costs.
4. Self-Supporting – semi-rigid construction eliminates sag and droop between connection points providing a neat finished appearance.
5. Corrosion Resistance – all metal construction will not rust or rot, and is impervious to damage by mold or mildew.
6. Fire Resistant – all metal construction allows continuous operating temperatures from 200°F.
7. Quiet – corrugated construction reduces the transmission of mechanical vibration and noise.

Suggested Specification(s):

Contractor shall furnish and install Clevaform T12-Series High Pressure Flexible Duct: Type 12, Type 12FV, or Type 12FA as manufactured by Clevaflex, Ltd in sizes and locations where indicated on drawings.

Clevaflex Type 12 shall be all-metal, semi-rigid construction, consisting of 2-plys of aluminum strip, permanently fused together and corrugated creating a continuous inner and outer surface that is air-tight, flexible and strong.

Clevaflex Type 12FV shall consist of a Type 12 core wrapped with fiberglass insulation and sleeved in a polyethylene vapor barrier.

Clevaflex Type 12FA shall consist of a Type 12 core wrapped with fiberglass insulation and sleeved in a fiberglass reinforced metalized polyester vapor barrier.

Duct connections to equipment and outlet collars shall be made in accordance with the manufacturer's recommendations.

Note 1: Since installation of the materials and conditions of use are important factors in obtaining satisfactory results and are beyond our control, Clevaflex can make no warranties, expressed or implied, including warranties of merchantability and fitness for a particular purpose, with respect to the material or its use or performance. All consequential damages whatsoever are expressly excluded.

Note 2: The statements regarding the characteristics, properties and performance of the materials described herein are based on data believed reliable, but no guarantee of their accuracy is made and such statements should not be construed as warranties or as the basis therefore.

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