

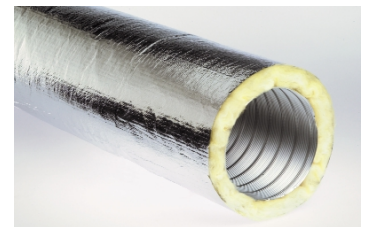
# Clevaform S-Series Low Pressure Flexible Duct



**Type S**



**Type SFV**



**Type SFA**

<b>Construction:</b>	One ply of corrugated aluminum with interlocked seams, folded flat and knurled for air-tightness, strength and flexibility.	Type SFV has a Type S core wrapped with fiberglass insulation and sleeved in a polyethylene vapor barrier.	Type SFA has a Type S core wrapped with fiberglass insulation and sleeved in a fiberglass reinforced metalized polyester vapor barrier.
<b>Length:</b>	10' standard	10' standard	10' standard
<b>Operating Temp:</b>	0° – 750°F	10° – 200°F	10° – 200°F
<b>Velocity:</b>	5000 FPM	5000 FPM	5000 FPM
<b>Working Pressure:</b>	10" WC positive and negative	10" WC positive and negative	10" WC positive and negative
<b>Burst Pressure:</b>	60" WC	60" WC	60" WC
<b>1-Ply Aluminum Core:</b>	.0055" thick, AL 3003 – H111	.0055" thick, AL 3003 – H111	.0055" thick, AL 3003 – H111
<b>Insulation:</b>	NA	1-1/2" thick, .5 lb density min.	1-1/2" thick, .5 lb density min.
<b>R-Value:</b>	NA	4.5 and 6.0 available	4.5 and 6.0 available
<b>Vapor Barrier:</b>	NA	0.17 perms	0.05 perms

ID Size	3"	4"	5"	6"	7"	8"	9"	10"	12"	14"	16"	18"	
<b>Weight oz/ft</b>	<b>Type S</b>	2.4	3.0	3.8	4.6	5.3	6.1	9.1	10.2	12.0	14.2	16.5	18.6
	<b>Type SFV, SFA</b>	4.3	5.1	6.2	7.4	8.2	9.6	13.6	15.0	17.4	20.0	22.9	25.8
<b>Crush Strength – lbs/ft</b>	50	50	50	45	45	40	50	50	45	40	40	40	
<b>Span – Max Unsupported</b>	6'	8'	10'	10'	10'	10'	10'	10'	10'	10'	10'	10'	

Note: ID Sizes are nominal and weights are approximate.

**Codes:**

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

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# Clevaform S-Series

## Low 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 S-Series Low Pressure Duct:  Type S,  Type SFV, or  Type SFA as manufactured by Clevaflex, Ltd in sizes and locations where indicated on drawings.

Clevaform Type S shall be all-metal, semi-rigid construction, consisting of a single ply aluminum strip, corrugated for strength and flexibility, with seams interlocked, folded flat, and knurled for air-tightness.

Clevaform Type SFV shall consist of a Type S core and be wrapped with fiberglass insulation and sleeved in a polyethylene vapor barrier.

Clevaform Type SFA shall consist of a Type S core and be 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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