INSTALLATION INSTRUCTIONS

Rev. 1

Spiral duct grilles

Steps:

1. Install Cut rectangular hole in spiral duct.

• Position the horizontal center lines using a laser for multiple grilles to have them aligned.
• Use neck dimension + ¼" or nominal width dimension for width, and use the dimension on the side plate for the arc length to cut on round part of the duct.
• You can use a straight edge to mark the width, but you would need a flexible measuring tape to mark the cut line for the arc length on the curved part of the duct.
• Use an angle grinder or zip cut to cut out the hole(s).

2. (Optional) Reinforce the hole(s) to keep the duct from flaring out.

• Do this step if you are working alone and if the hole is wider than 20".
• Cut two pieces of angle iron 1/16" about 6 inches longer than the hole width.
• Line up each of these angle irons to the top and bottom edges of the hole width inside the duct.
• Let the extra material overlap equally on each side past the curve edge of the hole.
• Use three or four sheet metal screws to fix the ducting to each angle iron without placing screws where the grilles' mounting holes would end up.

3. Grille Insertion

Insert the grille into the prepared duct opening, aligning the flange with the duct.

4. Grille Fastening

Secure the grille using the provided #10 x ¾" self-tapping sheet metal screws.
Start by fastening the top flange, then proceed downward to draw the grille snugly into place.

5. Airflow Verification

Once installation is complete, test the airflow to ensure proper delivery and no obstructions at the grille face.

6. Maintenance

• Clean the grille periodically using a soft cloth and mild soap solution.
• Do not use abrasive materials or harsh solvents.

Curve side cut dimension table (in)

Duct. Diam.	Grille height (short side) 3"	4"	6"	8"	10"	12"
D06	3	4.3				
D08	3	4.1	6.7			
D10	3	4.1	6.4	9.1		
D12	3	4	6.2	8.7	11.6	
D14	3	4	6.2	8.5	11	14.2
D16	3	4	6.1	8.3	10.7	13.4
D18	3	4	6.1	8.3	10.6	13.1
D20	3	4	6.1	8.2	10.4	12.8
D22	3	4	6.1	8.2	10.4	12.6
D24	3	4	6.1	8.1	10.3	12.5
D26	3	4	6	8.1	10.2	12.4
D28	3	4	6	8.1	10.2	12.4
D30	3	4	6	8.1	10.2	12.3
D32	3	4	6	8.1	10.2	12.3
D34	3	4	6	8.1	10.1	12.2
D36	3	4	6	8.1	10.1	12.2
D38	3	4	6	8.1	10.1	12.2
D40	3	4	6	8	10.1	12.2
D42	3	4	6	8	10.1	12.1
D44	3	4	6	8	10.1	12.1
D46	3	4	6	8	10.1	12.1
D48	3	4	6	8	10.1	12.1

These are multi-use for our ADLD, ALSD, GDA, GDS & GDPA Airvector models