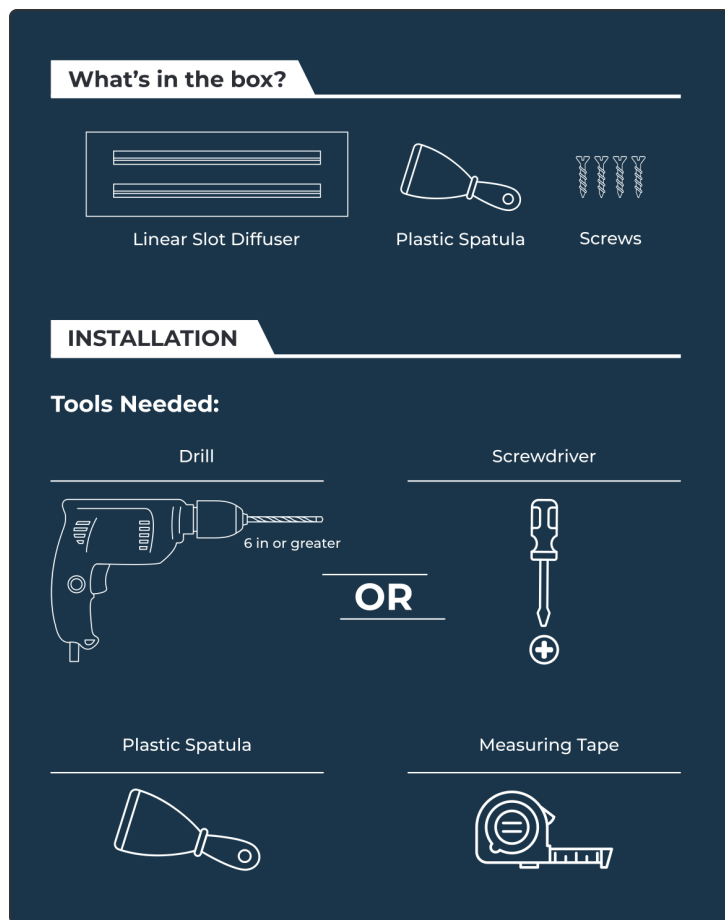


Aluminum Linear Slot Diffuser Model 220101 · Installation and Airflow Adjustment

Adjustable pattern controllers, surface mount. Applies to every size of model 220101 (1 to 7 slots; see the table on page 4).

BEFORE YOU START



- **In the box:** linear slot diffuser, plastic spatula, mounting screws (2").
- **Tools:** drill with a 6" or longer bit extension, or a screwdriver; the plastic spatula; measuring tape.
- **Order and fit by the duct opening.** The neck (C x D on page 4) drops into the opening; the face (A x B) sits flat on the ceiling, wall or floor surface.
- **Surfaces:** ceiling, sidewall or floor. Extruded aluminum, powder coated white or black.
- The black blades are pattern controllers: they set the throw direction and can close the slot. They are adjusted after mounting (page 3).

Do not force the blades with a metal tool. Use the plastic spatula; if you must use a flat screwdriver, wrap the tip with tape so it does not scratch the blades.

KEY FEATURES

- Extruded aluminum face, 1" slots on 2" centers, one slot per 2" of opening height
- Adjustable black pattern controllers in each slot: throw left, right, down or closed, set with the included plastic spatula
- Surface mount on ceiling, sidewall or floor; concealed screw holes behind the blades, 4 screws included
- Finish: white or black powder coat

Installation

Four steps. Screw holes are pre-drilled behind the blades, so nothing shows on the face.

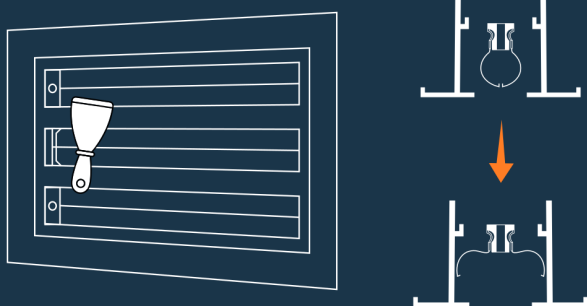
STEP 1

Remove your existing vent registers.



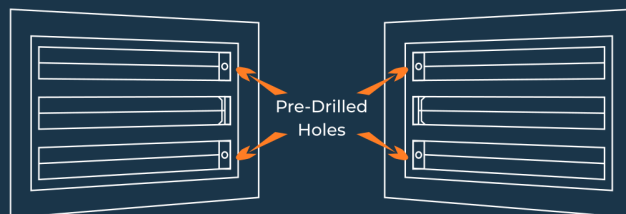
STEP 2

Open the flaps to access the screw holes.



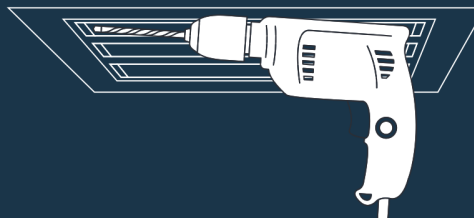
Step 1. Remove the existing register or grille and check that the duct opening matches the size you ordered. **Step 2.** Open the blade flaps with the spatula to reach the screw holes.

STEP 3



STEP 4

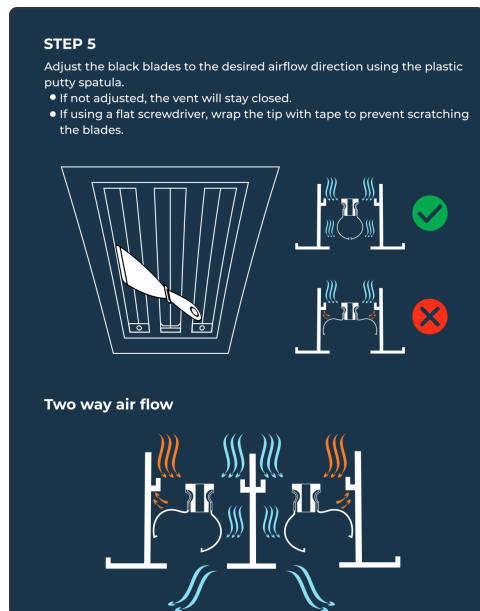
Drill Screws: Using a 6" extension on your drill, secure the vent in place with the provided 2" screws.



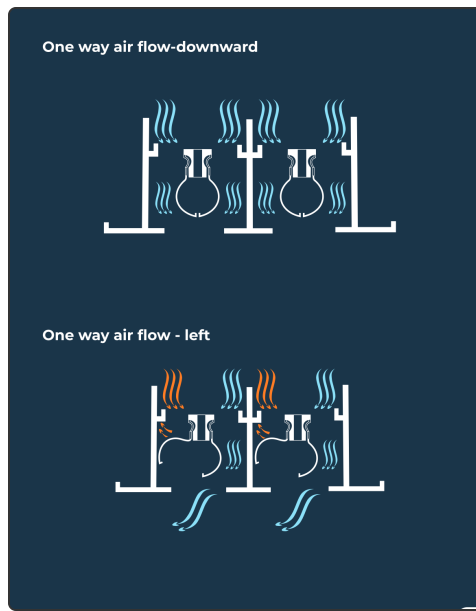
Step 3. Set the neck into the opening; the pre-drilled holes sit at both ends behind the blades. **Step 4.** Drive the supplied 2" screws with a 6" extension on the drill (or a screwdriver). Do not overtighten: the aluminum face should stay flat on the surface.

Airflow adjustment

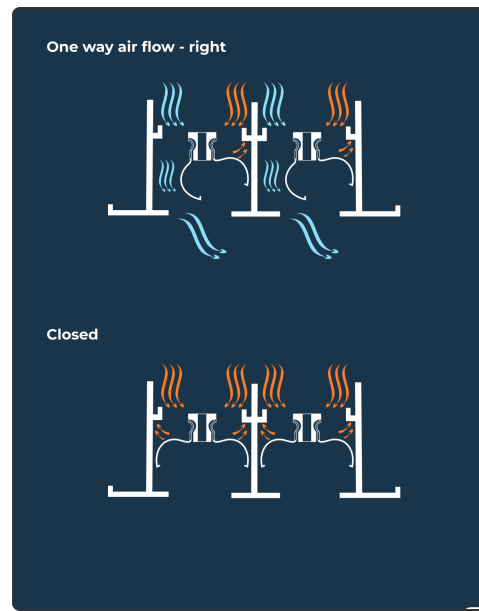
Step 5. Each slot has two pattern-controller blades. Turn them with the plastic spatula to set the throw; as shipped the slots are closed.



Two-way: both blades turned outward, air spreads to both sides along the ceiling or wall.



One-way down: blades straight, air projects into the room. **One-way left:** both blades turned the same way.



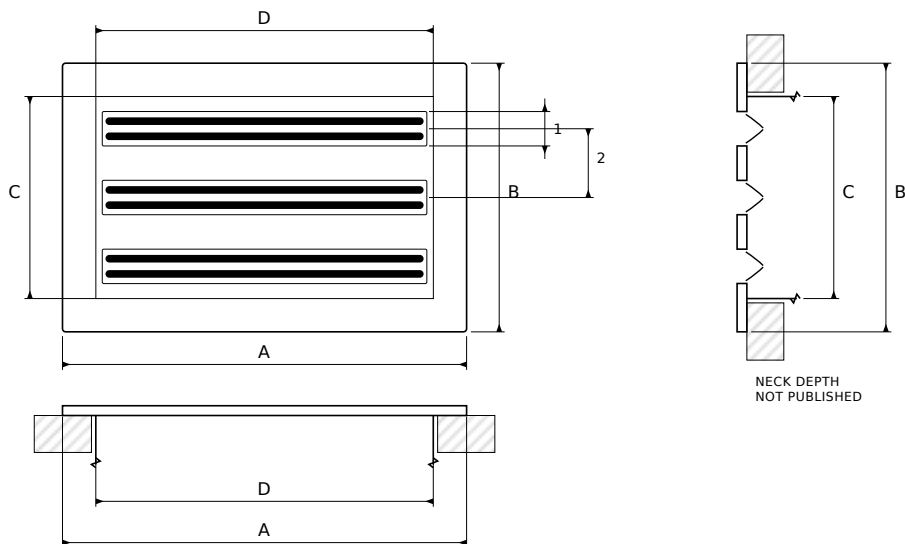
One-way right: both blades turned the other way. **Closed:** blades brought together; the slot passes no air. Slots can be set individually.

Set every slot the same way unless the layout calls for a split pattern (for example one slot toward a window, the next into the room). Re-check the setting after the first heating and cooling cycles; the blades hold their position but a spatula adjustment is all it takes to change it.

Cleaning: soft damp cloth and mild soap; no abrasives on the powder coat.

Dimensions

Same letters as Submittal Drawing AG-SD-0054: A x B overall face, C x D neck (fits into the opening), SIZE = duct opening, SLOTS = number of 1" slots (one per 2" of opening height).



DIMENSIONS (INCHES)

SIZE W x H	A	B	C	D	SLOTS	SIZE W x H	A	B	C	D	SLOTS
6 x 4	7-13/16	5-7/8	3-7/8	5-7/8	2	12 x 12	13-3/4	13-3/4	11-13/16	11-13/16	6
6 x 6	7-13/16	7-13/16	5-7/8	5-7/8	3	14 x 4	15-11/16	5-7/8	3-7/8	13-13/16	2
8 x 4	9-13/16	5-7/8	3-7/8	7-7/8	2	14 x 6	15-11/16	7-13/16	5-7/8	13-13/16	3
8 x 6	9-13/16	7-13/16	5-7/8	7-7/8	3	14 x 8	15-11/16	9-13/16	7-7/8	13-13/16	4
8 x 8	9-13/16	9-13/16	7-7/8	7-7/8	4	14 x 14	15-11/16	15-11/16	13-13/16	13-13/16	7
10 x 4	11-3/4	5-7/8	3-7/8	9-13/16	2	16 x 6	17-11/16	7-13/16	5-7/8	15-3/4	3
10 x 6	11-3/4	7-13/16	5-7/8	9-13/16	3	18 x 6	19-5/8	7-13/16	5-7/8	17-11/16	3
10 x 8	11-3/4	9-13/16	7-7/8	9-13/16	4	20 x 6	21-5/8	7-13/16	5-7/8	19-11/16	3
10 x 10	11-3/4	11-3/4	9-13/16	9-13/16	5	24 x 2	25-9/16	3-7/8	2	23-5/8	1
12 x 2	13-3/4	3-7/8	2	11-13/16	1	24 x 4	25-9/16	5-7/8	3-7/8	23-5/8	2
12 x 4	13-3/4	5-7/8	3-7/8	11-13/16	2	24 x 6	25-9/16	7-13/16	5-7/8	23-5/8	3
12 x 6	13-3/4	7-13/16	5-7/8	11-13/16	3	30 x 6	31-7/16	7-13/16	5-7/8	29-1/2	3
12 x 8	13-3/4	9-13/16	7-7/8	11-13/16	4						

SIZE is the duct or wall opening. All dimensions in inches. A x B is the overall face. C x D is the neck that fits into the opening: C the neck width, D the neck length. Slots are 1" wide on 2" centers, one per 2" of opening height (SLOTS column). Neck depth is not published. Front view shows 10 x 6 with 3 slots. Airflow data for this series is not published.