

■ SAS SQUARE ■



Air distribution is a very important and integral part of any air conditioning system. An accurate layout and the correct and the correct diffuser selection assures proper distribution, secondary air movement and lack of drafts or "dumping".

The SAS Supply air square ceiling diffuser is extremely flexible and economical to install. The diffuser is suitable for most types of forced air systems in buildings utilizing T-bar ceiling systems. The SAS is adaptable for all types of ceilings, and adaptors are available which allow for quick and easy installation.

The SAS diffuser by design always, discharges the air horizontal to the ceiling, thereby, guarantee's the "coanda effect," prevents drafts, and maintains maximum secondary circulation.

■ FEATURES ■

PERFORMANCE

- Positive Horizontal DISCHARGE
- Quiet Operation
- Maximum Secondary Air Circulation

ECONOMICAL

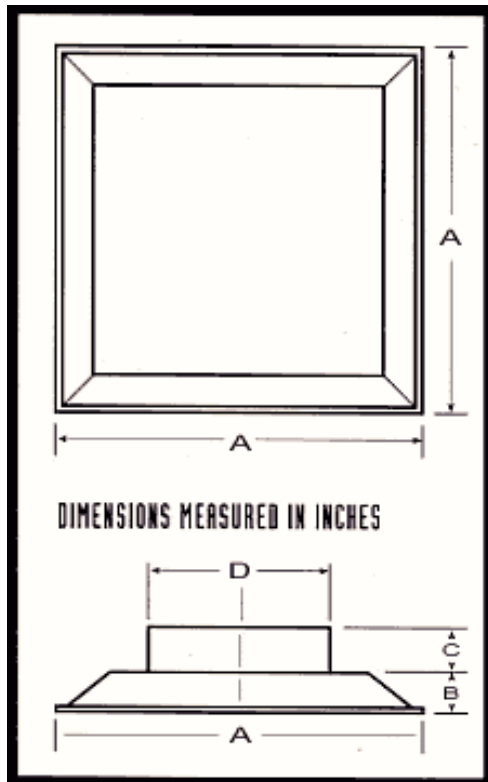
- Easy to Install
- Simple to service

FLEXIBILITY

- Multiple Discharge Patterns
- Fits modular ceiling systems (spline, plaster or fine line grids)
- Simple to relocate with occupancy changes
- Suitable for Low Temperature Distribution Systems

APPEARANCE

- Clean, simple, unobtrusive
- Aesthetically pleasing



Often with job conditions and changes in use, take blade, diffusers become oversized and required field adjustments. Conventional dampering devices i.e. opposed blade dampers, and butterfly dampers, reduce the discharge velocity and can dramatically affect the diffuser performance, and increase the sound level. The optional exclusive "ring damper" can guarantee the performance of the air distribution system and offer flexibility beyond the capability of conventional designed diffusers.

The "ring damper," when adjusted from maximum to minimum, varies the A_k factor. As a result, the "adjusted diffuser" will still maintain the discharge pattern, throw and secondary air circulation required to maintain desired air distribution.

To enhance the ceiling system, an architectural version is available which allows an ceiling tile to be inserted in the diffuser panel. An appearance panel is also available with matching silk screen, or a perforated plate version.

Optional baffle kits are available to alter the discharge pattern.

MODEL NUMBER

SAS	24	A	4	D	10	W
SAS Series Supply Air Square ceiling diffuser	nominal size in inches	(A) appearance panel, (D) architectural appearance panel, (S) special	direction of discharge (4) four way	optional damper or blank—no damper	inlet size (06, 08, 10, 12, and 14) inches available	finish, (W) white, (B) black, (S) special

DIMENSIONS

DIFFUSER SIZE	SIZE	A	B	C
12" x 12"	8"	12 x 12	1 3/4	3
14" x 14"	8"	14 x 14	1 3/4	3
24" x 24"	8"	23 3/4 x 23 3/4	2 3/4	3
24" x 24"	10"	23 3/4 x 23 3/4	2 3/4	3
24" x 24"	12"	23 3/4 x 23 3/4	2 3/4	3
24" x 24"	14"	23 3/4 x 23 3/4	2 3/4	3