

Plaque VAV Diffuser

Smart Square Plaque VAV Diffusers - Square or Round

- Standalone or Networkable (BMS)
- Master / Drone (Slave) arrangement
- Wall Mounted Room Controller / Sensor
- Square 595mm □, or round metric steel housing

- Superior air distribution
- Easily adapts to office changes
- Lower cost per zone
- Reliable & durable quality
- Easy maintenance



Wall Controller w/
Room Temp. Sensor



Four perimeter dampers providing variable discharge area at the perimeter of the diffuser. With built-in electric motor and controller providing VAV cooling and VAV heating.

- 2-Year Manufacturer's Warranty
- Electric Stepper Motor
- RAL 9016 White

Performance Data of SVAD-ST

Size.		Inlet Static Pressure		Air Flow		Performance at 100% Air flow		Performance at 25% Air flow.	
Inches	mm	In.w.g	Pa	CFM	Vs	Air distance (m) @ Vt		Air distance (m) @ Vt	
						0.5m/s	NC	0.5m/s	NC
6	150	0.04	10	124	58	1.4	<15	0.8	<15
		0.08	20	176	83	2	17	1.3	<15
		0.12	30	218	103	2.4	21	1.7	16
		0.16	40	247	117	2.6	26	1.8	20
		0.20	50	279	132	2.6	31	2	23
		0.24	60	306	144	2.7	34	2	25
		0.28	70	329	156	2.7	36	2.7	27
		0.32	80	356	168	2.8	37	2.1	29
8	200	0.04	10	262	124	2.2	<15	1.2	<15
		0.08	20	371	175	2.9	16	1.7	<15
		0.12	30	465	219	3.3	18	2.1	16
		0.16	40	538	254	3.5	23	2.5	19
		0.20	50	612	289	3.8	27	2.8	22
		0.24	60	676	319	4.1	31	3.1	24
		0.28	70	738	349	4.3	34	3.4	26
		0.32	80	797	376	4.5	37	3.6	29
10	250	0.04	10	294	139	2.2	<15	1.9	<15
		0.08	20	421	199	2.8	<15	2.3	<15
		0.12	30	518	244	3.3	17	2.7	<15
		0.16	40	603	285	3.7	22	3.1	17
		0.20	50	676	319	4	26	3.3	20
		0.24	60	741	350	4.3	30	3.5	23
		0.28	70	788	372	4.5	34	3.7	26
		0.32	80	853	403	4.6	37	3.8	29
12	300	0.04	10	318	150	2.4	<15	1.8	<15
		0.08	20	450	213	3	<15	2.1	<15
		0.12	30	553	261	3.6	16	2.4	<15
		0.16	40	641	303	4	21	3.1	16
		0.20	50	726	343	4.2	25	3.3	19
		0.24	60	794	375	4.3	29	3.4	22
		0.28	70	862	407	4.5	33	3.5	25
		0.32	80	921	435	4.7	37	3.6	28

Note: (1) Vt - Inlet velocity (2) NC - Based on AHRI 885 Standard Lw(10¹²w)-10dB.
Air distance(m)@0.75m/s=0.7*Air distance(m)@0.5m/s.