

SAV – Steel Air Valve

Model: SAV

Description

The SAV diffuser, used in exhaust applications, offers an aesthetically pleasing finish in a steel construction. Complete with an adjustable cone for airflow volume adjustment, the cone can easily be adjusted by removing the diffuser from the mounting frame. A peripheral gasket seal guarantees a perfect seal between the diffuser and frame to hold the cone in position.

Installation

The SAV is suitable for all installation types (walls, ceilings, or duct installations). The diffuser can be rotated in the groove for quick removal and adjustment of the cone position. Fastenings should be through the mounting frame.

Component Parts

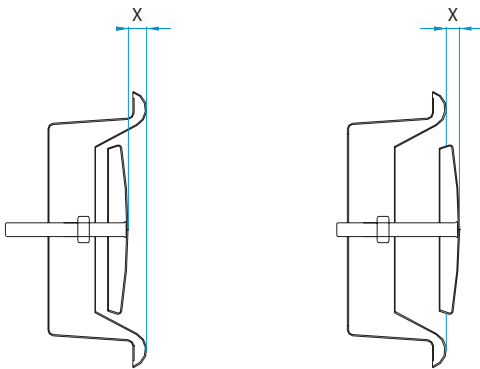
- 1) Diffuser
- 2) Cone
- 3) Frame

Construction and Finish

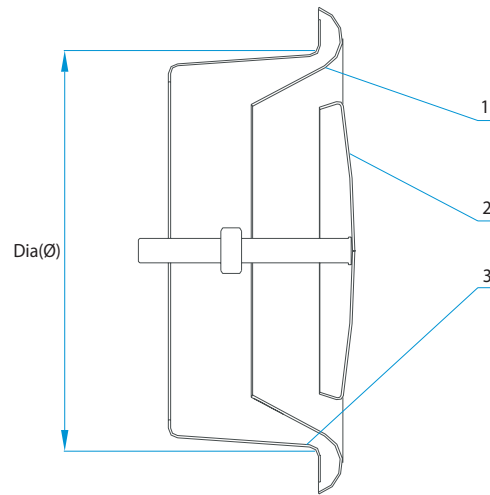
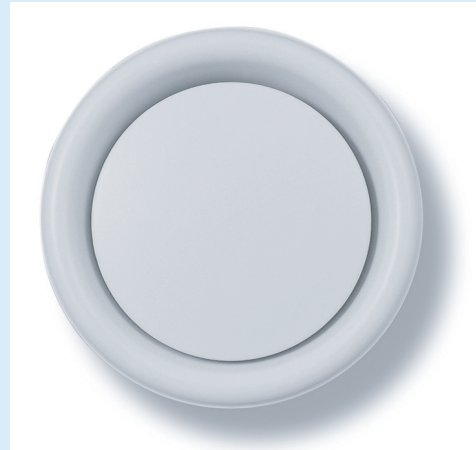
The SAV is constructed from galvanised steel with the diffuser and cone available in white powdercoat.

Performance

Adjust the airflow volume by rotating the cone within the diffuser.



Steel Air Valve



Model: SAV

Exhaust Performance Data

		Flow Rate [l/s]																	
		5	10	15	20	25	30	35	40	45	50	55	60	65	70	75	80		
Nominal Duct Size 150mm Diameter	Exhaust Static Pressure [Pa]	X+12	-	-	-	4.1	7.3	11.8	17.7	25.3	34.4	45.7	58.5	73.4	91.0	110.6	133.0	-	
		X+6	-	-	4.7	9.4	16.2	25.1	36.6	51.0	68.1	88.1	110.8	136.9	-	-	-	-	
		X+3	-	-	6.7	13.2	22.5	34.6	50.3	69.3	91.8	118.2	148.7	-	-	-	-	-	
		X+0	-	3.9	10.2	20.1	34.0	51.9	74.6	102.5	135.7	-	-	-	-	-	-	-	-
		X-3	-	6.1	15.7	30.7	52.1	79.6	114.4	-	-	-	-	-	-	-	-	-	-
		X-6	-	9.0	24.0	48.4	83.3	129.0	-	-	-	-	-	-	-	-	-	-	-
NC		-	-	-	<25	30	35	>40	-	-	-	-	-	-	-	-	-		
		Flow Rate [l/s]																	
		15	20	25	30	35	40	45	50	55	60	65	70	75	80	85	90		
Nominal Duct Size 200mm Diameter	Exhaust Static Pressure [Pa]	X+12	-	-	-	4.9	7.1	9.9	13.3	17.3	21.9	27.2	33.3	40.0	47.6	55.9	65.1	75.1	
		X+6	-	-	6.3	9.8	14.4	19.9	26.5	34.4	43.3	53.5	65.2	78.1	92.5	108.4	125.3	144.7	
		X+3	-	4.9	8.5	13.4	19.6	27.3	36.4	47.2	59.8	74.1	90.4	108.3	128.4	-	-	-	-
		X+0	-	7.3	12.6	19.7	28.7	39.7	52.9	68.6	86.5	107.0	129.7	-	-	-	-	-	-
		X-3	6.0	12.4	21.5	34.0	49.9	69.3	93.3	121.2	-	-	-	-	-	-	-	-	-
		X-6	9.7	19.8	34.7	54.6	80.2	111.7	-	-	-	-	-	-	-	-	-	-	-
NC		-	-	-	<25	30	35	>40	-	-	-	-	-	-	-	-	-		