

Technical Data Sheet



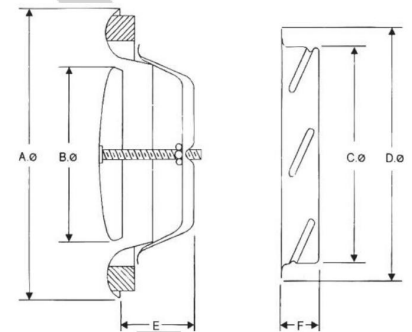
AirQon Synergies

D22 Disk valves

Disc valves are an aesthetically pleasing terminal device which combine good appearance with accurate control over exhaust air volumes.

Construction: A disc fitted to a spindle is mounted into a deepened conical outer border. The disc can be fixed by means of a counter nut. The valve is kept in the mounting ring by twisting in the ring. The valve is fitted with a foam-rubber gasket to form an airtight seal with the mounting.

Material: The valve is manufactured from high quality sheet steel and is polyester powder coated with a white color finish.

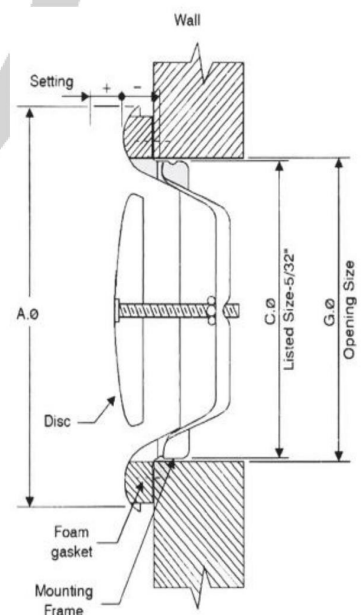


INCHES							
Nominal Size	A	B	C	D	E	F	G (Opening Size)
4"	5.3	2.95	3.86	5.12	1.58	1.1	4.125
6"	7.9	4.73	5.83	7.01	1.97	1.1	6.125
8"	9.8	6.30	7.80	9.13	2.56	1.1	8.125

Fitting Instructions: The mounting ring is fitted in the opening of the wall. Twist the valve into the ring.

Finish: Standard finish for white colour. Painted under electrostatic polyester powder coated system. Other colours available on request. The polyester powder of highest quality are used to enhance the appearance of the units.

Applications: These units are widely used for exhaust inlets in wash rooms and bath rooms.



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PERFORMANCE NOTES:

CFM - Cubic feet per minute. | SP - Static pressure - inches of water.

NC - Sound pressure levels indicated correspond to a test of the disc valves mounted into the end of an air duct of 300 mm length in a room having a total absorption of 4dB.

Setting (4")	Air flow (CFM)	15	20	25	30	35	40	45	50	60	70	80	90	100
3/8"	SP	.30	.60	.98										
	NC	<20	20	25										
- 1/4"	SP	-	.24	.38	.58	.80	1.1							
	NC	-	<20	<20	23	25	26							
- 1/8"	SP	-	-	.22	.32	.47	.60	.80	.95					
	NC	-	-	<20	<20	22	24	26	28					
0	SP	-	-	-	.23	.32	.46	.60	.78	.98	1.2			
	NC	-	-	-	<20	20	22	24	26	32	34			
1/8"	SP	-	-	-	-	.22	.28	.40	.52	.64	.84	1.15		
	NC	-	-	-	-	<20	<20	22	24	26	32	38		
1/4"	SP	-	-	-	-	-	.20	.28	.34	.45	.58	.80	1.05	
	NC	-	-	-	-	-	<20	<20	22	25	28	33	42	
3/8"	SP	-	-	-	-	-	-	.20	.28	.34	.47	.60	.82	1.05
	NC	-	-	-	-	-	-	<20	<20	23	25	29	38	45
1/2"	SP	-	-	-	-	-	-	-	.18	.27	.33	.40	.60	.80
	NC	-	-	-	-	-	-	-	<20	20	25	26	32	38
Setting (6")	Air flow (CFM)	30	35	40	50	60	70	80	90	100	120	140	160	180
- 1/4"	SP	.33	.48	.63	1.4									
	NC	<20	21	24	32									
- 1/8"	SP	-	.18	.25	.40	.60	.78	1.07						
	NC	-	<20	<20	21	25	31	34						
0	SP	-	-	-	.24	.33	.42	.59	.78	1.0				
	NC	-	-	-	<20	20	23	26	34	40				
1/4"	SP	-	-	-	-	-	.22	.29	.36	.60	.80	1.08		
	NC	-	-	-	-	-	<20	<20	22	31	35	42		
1/2"	SP	-	-	-	-	-	-	-	.21	.26	.40	.56	.76	.98
	NC	-	-	-	-	-	-	-	<20	<20	24	28	35	45
Setting (8")	Air flow (CFM)	40	50	60	70	80	100	120	140	160	180	200	220	240
- 25/32"	SP	.39	.61	.92										
	NC	22	31	35										
- 19/32"	SP	-	.21	.31	.42	.55								
	NC	-	<20	20	23	26								
- 25/64"	SP	-	-	.16	.23	.30	.48	.72						
	NC	-	-	<20	<20	22	28	33						
- 3/16"	SP	-	-	-	-	-	.28	.40	.45	.71	.92			
	NC	-	-	-	-	-	22	26	30	34	38			
0	SP	-	-	-	-	-	.17	.27	.30	.46	.61	.74		
	NC	-	-	-	-	-	<20	23	26	31	36	38		
3/16"	SP	-	-	-	-	-	-	.17	.21	.31	.40	.50	.60	.73
	NC	-	-	-	-	-	-	<20	23	26	30	32	36	38
25/64"	SP	-	-	-	-	-	-	-	.25	.31	.38	.48	.58	
	NC	-	-	-	-	-	-	-	23	26	28	32	35	
19/32"	SP	-	-	-	-	-	-	-	.19	.25	.28	.33	.42	
	NC	-	-	-	-	-	-	-	<20	23	25	27	33	
25/32"	SP	-	-	-	-	-	-	-	-	.19	.27	.27	.31	
	NC	-	-	-	-	-	-	-	-	23	24	25	28	
63/64"	SP	-	-	-	-	-	-	-	-	-	.17	.21	.26	
	NC	-	-	-	-	-	-	-	-	-	<20	24	25	