

# Air Valves

## Description

For supply or extract air, fully adjustable inner core which regulates air volume, noise level and pressure drop. Supply air valve has purpose designed diffuser inner cone whilst the extract valve has a convexed inner core. Suitable for ceiling and duct mounting.

## Construction

From sheet steel, degreased, phosphated and finished White RAL 9010 polyester powder. Optional fusible link assembly for fire resistance available on limited sizes.

## Size and Weight

From 80mm to 200mm Ø neck size.  
Air valve only 1.5kg/m<sup>2</sup>.

## How to Specify

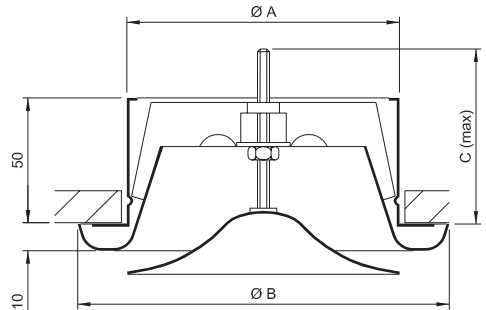
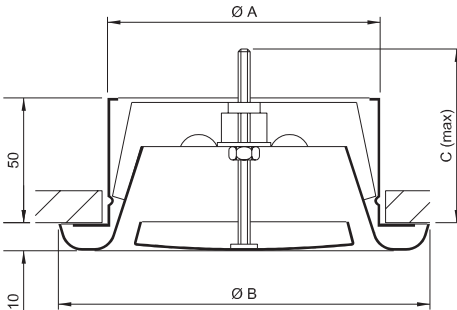
STATE QUANTITY, THE PRODUCT CODING AND THE SIZE WIDTH X HEIGHT  
e.g. 10 Qty. 96E00+1B 160 Ø.



Frame Style	Core	Options	Accessories
96 Circular Steel	E Extract Valve	0 None	0 None
	S Supply Valve	5 70° Fusible Shut-off Link	1 75mm Extension Collar



Fixings	Finish
1 Mounting Collar	B PPC RAL 9010 Gloss White
	P Stainless Steel



96E00 (Extract)			
Size	Dimensions (mm)		
	Ø A	Ø B	Ø C
Ø 80	79	115	70
Ø 100 '5'	99	137	70
Ø 125 '5'	124	161	85
Ø 150 '5'	149	202	85
Ø 200 '5'	199	248	110

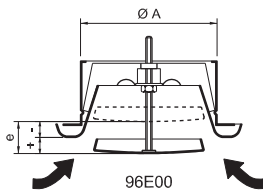
'5' Denotes sizes for which the 70° fusible link is available.

96S00 (Supply)			
Size	Dimensions (mm)		
	Ø A	Ø B	Ø C
Ø 80	79	115	70
Ø 100 '5'	99	137	70
Ø 125 '5'	124	161	85
Ø 150 '5'	149	202	85
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'5' Denotes sizes for which the 70° fusible link is available.

## Air Valves Extract

Ø A	'e' Min	'e' Max
80	-6mm	+12mm
100	-6mm	+12mm
125	-6mm	+12mm
150	-9mm	+12mm
200	-10mm	+25mm



Ø 'A' = 80mm		q (l/s)					
		8	10	12	15	18	20
e = +12mm	Ps (Pascals)	-	13	20	26	38	50
	NC	-	-	-	-	-	16
e = +6mm	Ps (Pascals)	12	22	35	44	70	-
	NC	-	-	-	-	20	-
e = 0mm	Ps (Pascals)	23	42	65	-	-	-
	NC	-	-	15	-	-	-
e = -6mm	Ps (Pascals)	75	-	-	-	-	-
	NC	15	-	-	-	-	-

Ø 'A' = 100mm		q (l/s)					
		10	12	15	18	20	23
e = +12mm	Ps (Pascals)	7	13	19	28	35	46
	NC	-	-	-	-	-	15
e = +6mm	Ps (Pascals)	15	22	32	47	56	78
	NC	-	-	-	-	15	20
e = 0mm	Ps (Pascals)	30	47	66	-	-	-
	NC	-	-	16	-	-	-
e = -6mm	Ps (Pascals)	77	-	-	-	-	-
	NC	15	-	-	-	-	-

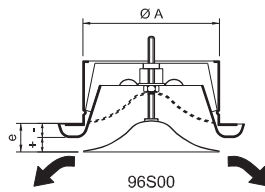
Ø 'A' = 125mm		q (l/s)					
		12	15	18	20	23	25
e = +12mm	Ps (Pascals)	-	7	12	18	26	32
	NC	-	-	-	-	-	-
e = +6mm	Ps (Pascals)	13	17	22	30	37	48
	NC	-	-	-	-	-	-
e = 0mm	Ps (Pascals)	18	25	31	43	55	70
	NC	-	-	-	-	-	20
e = -6mm	Ps (Pascals)	35	47	56	80	-	-
	NC	-	-	15	19	-	-

Ø 'A' = 150mm		q (l/s)					
		15	18	20	23	25	28
e = +12mm	Ps (Pascals)	-	-	-	-	-	19
	NC	-	-	-	-	-	-
e = +6mm	Ps (Pascals)	6	9	14	18	22	27
	NC	-	-	-	-	-	-
e = 0mm	Ps (Pascals)	11	14	20	26	32	39
	NC	-	-	-	-	-	16
e = -9mm	Ps (Pascals)	50	62	80	-	-	-
	NC	15	16	22	-	-	-

Ø 'A' = 200mm		q (l/s)					
		30	40	50	60	70	80
e = +25mm	Ps (Pascals)	-	-	11	17	23	33
	NC	-	-	-	-	-	15
e = +10mm	Ps (Pascals)	8	17	27	40	52	70
	NC	-	-	-	16	21	26
e = 0mm	Ps (Pascals)	17	33	50	75	95	-
	NC	-	14	18	24	28	-
e = -10mm	Ps (Pascals)	50	90	-	-	-	-
	NC	15	25	-	-	-	-

## Air Valves Supply

Ø A	'e' Min	'e' Max
80	0mm	+12mm
100	-3mm	+12mm
125	-3mm	+12mm
150	-3mm	+12mm
200	0mm	+15mm



Ø 'A' = 80mm		q (l/s)					
		8	10	12	15	20	25
e = +12mm	Ps (Pascals)	-	11	17	24	32	42
	Lt (metres)	-	0,5	0,6	0,8	0,9	1,2
e = +9mm	Ps (Pascals)	7	16	27	35	45	58
	Lt (metres)	0,6	0,7	0,8	1,0	1,15	1,5
e = +6mm	Ps (Pascals)	13	26	43	55	72	-
	Lt (metres)	0,65	0,8	0,9	1,2	1,3	-
e = 0mm	Ps (Pascals)	125	-	-	-	-	-
	Lt (metres)	0,9	-	-	-	-	-
e = 0mm	Ps (Pascals)	35	-	-	-	-	-
	NC	-	-	-	-	-	-

Ø 'A' = 100mm		q (l/s)					
		8	10	12	15	20	25
e = +12mm	Ps (Pascals)	-	-	6	13	17	27
	Lt (metres)	-	-	-	-	1,0	1,3
e = +6mm	Ps (Pascals)	5	12	17	26	40	65
	Lt (metres)	-	0,5	0,6	0,8	1,2	1,7
e = 0mm	Ps (Pascals)	21	37	60	85	-	-
	Lt (metres)	0,4	0,7	0,8	1,0	-	-
e = -3mm	Ps (Pascals)	50	100	-	-	-	-
	Lt (metres)	0,5	1,0	-	-	-	-
e = -3mm	Ps (Pascals)	25	32	-	-	-	-
	NC	-	-	-	-	-	-

Ø 'A' = 125mm		q (l/s)					
		15	20	23	25	28	30
e = +12mm	Ps (Pascals)	-	-	7	12	14	17
	Lt (metres)	-	-	1,2	1,3	1,5	1,7
e = +6mm	Ps (Pascals)	6	14	18	22	27	32
	Lt (metres)	0,6	1,2	1,4	1,7	1,8	1,9
e = 0mm	Ps (Pascals)	25	45	62	72	92	100
	Lt (metres)	1,0	1,5	1,8	2,0	2,1	2,2
e = -3mm	Ps (Pascals)	17	24	30	33	36	39
	NC	-	-	-	-	-	-
e = -3mm	Ps (Pascals)	58	110	-	-	-	-
	Lt (metres)	1,2	1,8	-	-	-	-
e = -3mm	Ps (Pascals)	27	35	-	-	-	-
	NC	-	-	-	-	-	-

Ø 'A' = 150mm		q (l/s)					
		20	25	30	35	40	45
e = +12mm	Ps (Pascals)	-	-	7	12	17	23
	Lt (metres)	-	-	0,5	0,7	0,9	1,1
e = +6mm	Ps (Pascals)	10	16	21	27	42	57
	Lt (metres)	0,5	0,6	0,8	1,0	1,2	1,4
e = 0mm	Ps (Pascals)	22	35	47	65	-	-
	Lt (metres)	0,7	0,9	1,1	1,3	-	-
e = -3mm	Ps (Pascals)	37	58	80	-	-	-
	Lt (metres)	0,8	1,0	1,2	-	-	-
e = -3mm	Ps (Pascals)	29	32	35	-	-	-
	NC	-	-	-	-	-	-

Ø 'A' = 200mm		q (l/s)					
		25	30	35	40	45	50
e = +15mm	Ps (Pascals)	-	-	8	12	14	18
	Lt (metres)	-	-	0,6	0,8	1,0	1,2
e = +6mm	Ps (Pascals)	17	24	34	40	49	60
	Lt (metres)	0,7	0,9	1,1	1,3	1,5	1,8
e = +3mm	Ps (Pascals)	16	21	27	30	32	37
	Lt (metres)	0,6	0,8	1,0	1,2	1,4	1,7
e = 0mm	Ps (Pascals)	52	70	100	-	-	-
	Lt (metres)	0,9	1,3	1,5	-	-	-
e = 0mm	Ps (Pascals)	29	35	-	-	-	-
	NC	-	-	-	-	-	-