



**DBA**

Air Damper

## Description

The DBA type air dampers are designed for regulating air flow in round ducts.

## Properties

DBA type dampers are used in round ducts. The damper body contains the bracket for either the manual adjusting arm or a servomotor. The manual adjusting arm has blade position indicator scale. The ends of the damper can be straight or flanged.

## Materials

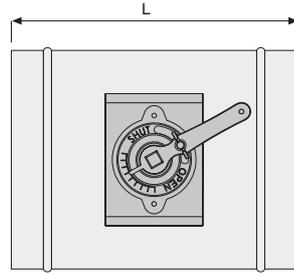
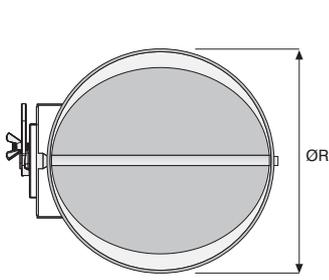
The body is manufactured from 1.2 mm thick galvanized steel sheets. The blades are made from galvanized sheet steel. The blade has a rubber gasket for less leakage.

## Accessories

### Servomotor

BELIMO maintenance-free servomotors are optionally installed on the damper bodies.

**Dimensions**

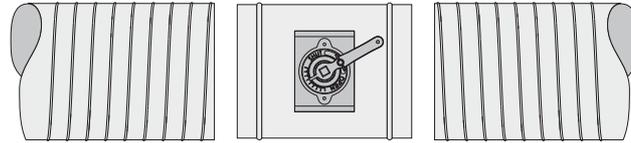


**Standard Dimensions**

ØR (mm)	L (mm)
100	200
125	200
160	200
200	330
250	330
315	330
400	420
500	520
630	650

**Installation**

Duct Installation



## Technical Data

Size (mm)	Flow Rate (m <sup>3</sup> /h)	Velocity (m/s)	$\alpha=^{\circ}15$		$\alpha=^{\circ}30$		$\alpha=^{\circ}45$		$\alpha=^{\circ}60$	
			Pressure Loss (Pa)	Sound Power Level dB(A)	Pressure Loss (Pa)	Sound Power Level dB(A)	Pressure Loss (Pa)	Sound Power Level dB(A)	Pressure Loss (Pa)	Sound Power Level dB(A)
100	100	3,54	9	25	25	34	61	41	185	50
	150	5,31	20	35	55	44	138	51	410	60
	200	7,08	36	42	100	51	250	58	730	67
	250	8,85	57	48	153	56	390	64	1110	73
	300	10,62	83	53	220	61	566	68	1600	82
125	100	2,26	4	<20	10	24	25	30	74	38
	175	3,96	11	28	30	36	78	44	226	53
	250	5,66	23	37	61	45	160	53	470	62
	325	7,36	39	44	107	52	270	59	790	63
	400	9,06	60	49	160	57	410	64	1180	73
160	150	2,07	2	<20	9	20	21	28	63	37
	300	4,15	12	29	34	38	84	45	250	54
	450	6,22	28	39	76	48	190	55	560	64
	600	8,29	50	47	140	55	345	62	1000	72
	750	10,37	83	53	220	61	566	68	1600	82
200	250	2,21	2	<20	8	25	27	36	100	48
	450	3,98	8	30	30	42	100	54	360	66
	700	6,19	18	41	72	54	250	66	870	78
	950	8,4	34	49	130	62	460	74	1550	85
	1200	10,62	54	55	210	68	720	80		
250	400	2,26	2	<20	10	28	32	38	115	51
	650	3,68	7	28	26	40	86	52	310	64
	1000	5,66	15	38	60	52	200	63	730	76
	1350	7,64	28	47	110	60	375	72	1300	84
	1700	9,62	45	53	173	66	600	78		
315	600	2,14	2	<20	9	26	29	37	105	49
	1200	4,28	9	31	35	44	118	56	420	68
	1800	6,42	20	42	77	55	260	67	920	79
	2400	8,56	36	50	137	63	475	75	1640	86
	3000	10,7	55	56	213	69	745	81		
400	1000	2,21	2	<20	10	28	32	38	115	51
	1800	3,98	8	30	30	42	100	54	360	66
	2700	5,97	18	40	67	53	227	65	820	77
	3600	7,96	30	47	118	61	410	73	1440	87
	4500	9,95	46	54	180	67	620	80		
500	1500	2,12	2	<20	9	26	29	37	105	49
	3000	4,25	9	31	35	44	118	56	420	68
	4500	6,37	20	42	77	55	260	67	920	79
	6000	8,49	36	50	137	63	475	75	1640	86
	7500	10,62	55	56	213	69	745	81		
630	2600	2,32	2	<20	11	29	33	39	120	52
	4700	4,19	9	31	35	44	118	56	420	68
	6800	6,06	19	41	68	54	230	66	820	80
	8900	7,93	30	47	118	61	410	73	1440	87
	11000	9,81	46	54	180	67	620	80		

**Specification Text**

Round duct type air damper. The body and blade will be manufactured from galvanized steel sheets. Adjustments will be made by a control arm, fixed on the damper body and

having a blade positioning scale; or, optionally, with a servomotor. The blades will have rubber gaskets on the edges.

**Order Code**

<b>Model</b>	<b>DBA.00.AA.00-315</b>	
<b>Flange</b>	00...Without Flange 30...With Flange	ØR (mm) Refer to page 3
<b>Accessories</b>	AA..With Manual Control MA .With Servomotor	Standard Dimensions

**D**

**DBA**

**Air Damper**

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