



Serie **TBRL**



LABELING NOZZLES WITH DAMPER



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LABELING NOZZLES WITH DAMPER **SERIE TBRL**



DESCRIPTION

Long-range labeling nozzle; it can be moved manually in all directions within a limited angle of 30°. The two models are the TBRL and the TBRL-R, available with or without a control damper. Made of aluminum with a natural satin finish and a clear primer.

INSTALLATION

Direct duct mounting with front screws, with a circular duct connection or a flexible hose connection.

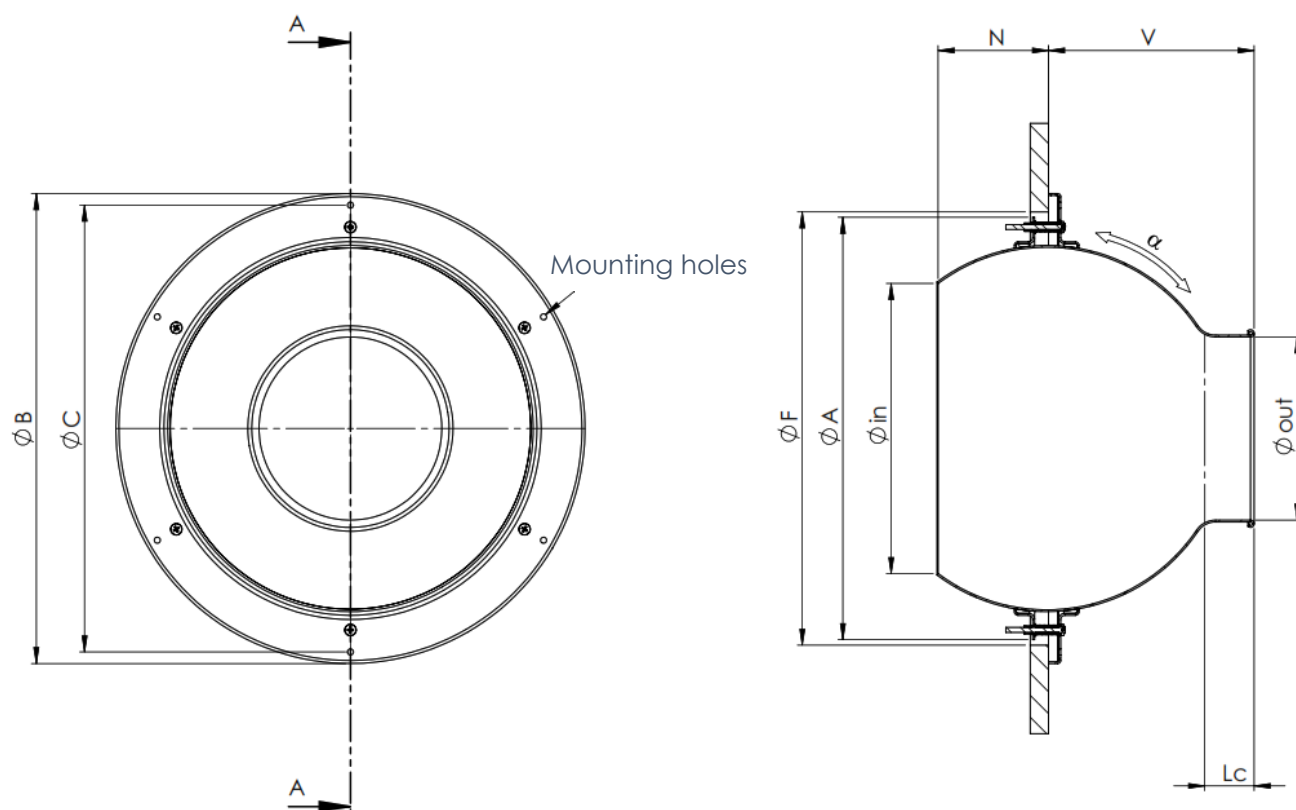
ACCESSORIOS

F: Connection for a flexible duct

C: Connection for a circular duct

LABELING NOZZLES WITH DAMPER SERIE TBRL

DIMENSIONS



DIMENSIONS (mm)										
Model	$\varnothing in$	$\varnothing out$	$\varnothing A$	$\varnothing B$	$\varnothing C$	$\varnothing F$	Lc	α	N	V
TBRL 80	125	80	206	245	226	210	25	20°	51	93
TBRL 150	235	150	346	385	366	350	40	25°	89	168
TBRL 200	325	200	446	485	466	450	50	30°	114	222
TBRL 230	325	230	446	485	466	450	50	30°	114	212
TBRL 250	325	250	446	485	466	450	50	30°	114	205
TBRL 300	325	300	446	485	466	450	50	30°	114	180

LABELING NOZZLES WITH DAMPER SERIE TBRL

SELECTION TABLES

Sound level: NR [dB(A)]		<20	<20	20	25	30	35	40	45	55
Churches, Libraries										
Hospitals										
Homes, Offices										
Stores/Shops										
TBRL 80	Installation Height (m)	2,4 3,2	2,5 3,5	2,6 3,8	2,7 3,8	2,8 4	2,9 4,1	3 4,2	3,2 4,4	3,6 4,8
	V (m/s)	2	4	6	8	10	12	14	16	20
	Δ P (mm c.a.)	0,2	1,1	2,5	4,5	7,1	10,5	14,4	19,1	30,4
	Q (m³/h)	39	78	118	157	196	235	274	314	392
	Alc. (m)	2,7	5,4	8,1	10,8	13,5	16,2	18,9	21,7	27

Sound level: NR [dB(A)]		<20	20	25	30	35	40	45	50	>55
Churches, Libraries										
Hospitals										
Homes, Offices										
Stores/Shops										
TBRL 150	Installation Height (m)	2,6 5,2	2,7 5,4	2,8 5,6	3 5,8	3,2 6	3,4 6,2	3,6 6,4	3,8 6,6	4,2 7
	V (m/s)	2	4	6	8	10	12	14	16	20
	Δ P (mm c.a.)	0,2	1	2,3	4,2	6,8	9,9	13,6	18	28,7
	Q (m³/h)	129	258	387	516	644	773	902	1031	1289
	Alc. (m)	4	8	11,9	15,9	19,9	23,9	27,8	31,8	39,8

Sound level: NR [dB(A)]		<20	20	25	30	35	40	45	50	>55
Churches, Libraries										
Hospitals										
Homes, Offices										
Stores/Shops										
TBRL 200	Installation Height (m)	3,4 6,6	3,6 7,7	3,8 8,7	4 9,4	4,2 10	4,4 10,5	4,6 11	4,8 11,5	5,2 11,5
	V (m/s)	2	4	6	8	10	12	14	16	20
	Δ P (mm c.a.)	0,2	0,9	2,1	3,8	6	8,9	12,2	16,1	25,7
	Q (m³/h)	221	443	664	886	1107	1329	1550	1772	2214
	Alc. (m)	5,2	10,5	15,7	21	26,2	31,5	36,7	41,9	52,4

V (m/s) : Drive Speed

Δ P (mm c.a.) : Pressure drop

Q (m³/h) : Air flow

Alc. (m) : Range for residual speed

dB(A) : Sound level

LABELING NOZZLES WITH DAMPER SERIE TBRL

SELECTION TABLES

Sound level: NR [dB(A)]		<20	20	25	30	35	40	45	50	>55
Churches, Libraries										
Hospitals										
Homes, Offices										
Stores/Shops										
TBRL 230	Installation Height (m)	3,4 6,6	3,6 7,7	3,8 8,7	4 9,4	4,2 10	4,4 10,5	4,6 11	4,8 11,5	5,2 11,5
	V (m/s)	2	4	6	8	10	12	14	16	20
	Δ P (mm c.a.)	0,2	0,8	1,9	3,5	5,6	8,1	11,2	14,9	19,7
	Q (m³/h)	289	577	866	1155	1444	1732	2021	2310	2887
	Alc. (m)	6	11,9	17,9	23,8	29,8	35,7	41,7	47,6	59,5

Sound level: NR [dB(A)]		<20	20	25	30	35	40	45	50	>55
Churches, Libraries										
Hospitals										
Homes, Offices										
Stores/Shops										
TBRL 250	Installation Height (m)	2,6 5,2	2,7 5,4	2,8 5,6	3 5,8	3,2 6	3,4 6,2	3,6 6,4	3,8 6,6	4,2 7
	V (m/s)	2	4	6	8	10	12	14	16	20
	Δ P (mm c.a.)	0,2	0,9	2	3,7	5,9	8,6	11,9	15,7	25,1
	Q (m³/h)	354	707	1061	1414	1768	2121	2475	2828	3535
	Alc. (m)	6,6	13,2	19,8	26,4	32,9	39,5	46,1	50	61

Sound level: NR [dB(A)]		<20	20	25	30	35	40	45	50	>55
Churches, Libraries										
Hospitals										
Homes, Offices										
Stores/Shops										
TBRL 300	Installation Height (m)	3,4 6,6	3,6 7,7	3,8 8,7	4 9,4	4,2 10	4,4 10,5	4,6 11	4,8 11,5	5,2 11,5
	V (m/s)	2	4	6	8	10	12	14	16	20
	Δ P (mm c.a.)	0,2	0,8	2	3,6	5,7	8,4	11,5	15,2	24,3
	Q (m³/h)	511	1022	1534	2045	2556	3067	3578	4090	5112
	Alc. (m)	7,9	15,8	23,8	31,7	39,6	47,5	55	60	71

V (m/s) : Drive Speed

Δ P (mm c.a.) : Pressure drop

Q (m³/h) : Air flow

Alc. (m) : Range for residual speed

dB(A) : Sound level

LABELING NOZZLES WITH GATE SERIE TBRL

Series	Model		Finish	Accessories
	80	230		F
TBRL	150	250	SN (Est.)	C
TBRL-R	200	300		

TBRL-R-80-SN+C

DESCRIPTION

SERIES

- TBRL-R: Labeling nozzle with control damper.

MODEL

- TBRL-R 80: Ø80mm labeling nozzle with control damper.

FINISH

- SN: Natural satin-finish aluminum with a clear primer (standard).

ACCESSORIES

- C: Connection for a circular duct.

Order example: TBRL-R-80-SN+C

- To order a Ø80mm labeling nozzle with control damper and connection for a circular duct, you should request:

Order	Description
1 Nozzle TBRL-R 80-SN	80mm-diameter label nozzle with control damper, made of natural satin-finish aluminum with a clear primer (standard).
1 Connection C	Connection for a circular duct.

Order example: TBRL-R-200-SN

- To order a Ø200mm labeling nozzle with control damper and connection for a circular duct, you should request:

Order	Description
1 Nozzle TBRL-R 200-SN	200mm-diameter label nozzle with control damper, made of natural satin-finish aluminum with a clear primer (standard).



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