

NZL-A – long reach nozzle



Type	NZL-A	NZL-A-RE	NZL-A-RF	NZL-A-RC	NZL-A-CR
NZL-A 80	•	•	•	•	•
NZL-A 110	•	•	•	•	•
NZL-A 150	•	•	•	•	•
NZL-A 200	•	•	•	•	•
NZL-A 230	•	•	•	•	•
NZL-A 250	•	•	•	•	•
NZL-A 300	•	•	•	•	•

Technical parameters

Version

Long-reach nozzle allows manual 360° rotation and up to 30° deflection. The nozzles are designed to distribute air over a large distances in large spaces, e.g. shopping malls, lobbies and other public areas. The nozzle has an optimised design to ensure low noise level. Designed without control damper (NZL-A) or with control damper (NZL-A-RE).

Construction

The nozzles are made of aluminium with a transparent protective varnish.

Installation

The nozzles are designed for wall or ceiling mounting for air supply. Recommended installation height 2,4–11,5 m.

Mounting

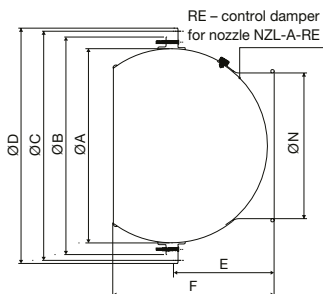
using the screws on the cover frame directly on the pipe or using special accessories.

Accessories

NZL-A-RF – adapter for connection to flexible hose

NZL-A-RC – adapter for connection to circular pipe

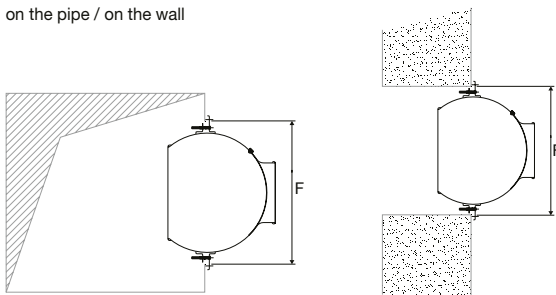
NZL-A-CR – cover frame to cover the NZL-A or NZL-A-RE nozzle screws



Type	Ø N	Ø A	Ø B	Ø C	Ø D	E	F
NZL-A 80	80	160	203	220	254	95	145
NZL-A 110	110	200	246	266	285	115	175
NZL-A 150	150	300	350	368	387	170	260
NZL-A 200	200	400	448	472	485	215	330
NZL-A 230	230	400	448	472	485	205	320
NZL-A 250	250	400	448	472	485	195	310
NZL-A 300	300	400	448	472	485	175	290

Mounting

on the pipe / on the wall



Hole F [mm] (size of hole in pipe/wall)

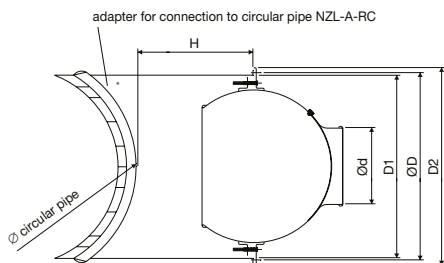
NZL-A 80	NZL-A 110	NZL-A 150	NZL-A 200	NZL-A 230	NZL-A 250	NZL-A 300
207	250	354	452	452	452	452



detail of the cover frame

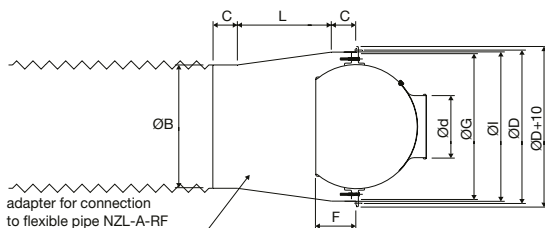
NZL-A – long reach nozzle

for circular pipes



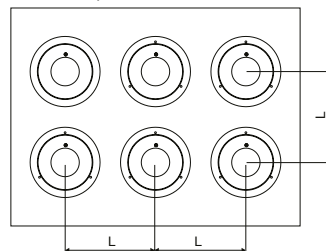
Type	openings for screws	D	d	D1	D2	H	recommended Ø of circular pipe
NZL-A 80	3 × Ø 5	220	80	210	230	200	315–630
NZL-A 110	3 × Ø 5	266	110	251	282	200	250–800
NZL-A 150	6 × Ø 5	368	150	358	378	300	500–800
NZL-A 200	6 × Ø 5	472	200	460	480	350	500–1000
NZL-A 230	6 × Ø 5	472	230	460	480	350	500–1000
NZL-A 250	6 × Ø 5	472	250	460	480	350	500–1000
NZL-A 300	6 × Ø 5	472	300	460	480	350	500–1000

for flexible flexo hose



Type	D	d	F	B	G	I	L	C
NZL-A 80	220	80	57	158	203	210	100	60
NZL-A 110	266	110	100	195	246	251	100	60
NZL-A 150	368	150	60	298	350	358	170	60
NZL-A 200	472	200	141	398	448	462	170	60
NZL-A 230	472	230	141	398	448	462	170	60
NZL-A 250	472	250	141	398	448	462	170	60
NZL-A 300	472	300	141	398	448	462	170	60

in the line-up



Type	L min. [mm]
NZL-A 80	300
NZL-A 110	350
NZL-A 150	430
NZL-A 200	430
NZL-A 230	550
NZL-A 250	550
NZL-A 300	550

Type	A _e [m ²]	Q [m ³ /h]		L _{wa} [dB(A)]		X _(0,25) – Y _(0,25) [m]		Δp _t [Pa]	
		min	max	min	max	min	max	min	max
NZL-A 80	0,0050	60	230	27	54	7,8	20,4	10	70
NZL-A 110	0,0095	120	400	29	55	10,5	26,3	10	70
NZL-A 150	0,0177	240	680	31	58	13,1	28,3	10	70
NZL-A 200	0,0314	400	1200	33	61	14,6	32,4	10	70
NZL-A 230	0,0415	570	1580	36	62	15,9	35,7	10	70
NZL-A 250	0,0491	690	1850	37	64	17,5	38,8	10	70
NZL-A 300	0,0707	900	2650	39	67	18,2	42,9	10	70

The air flow parameters are under isothermal conditions. Airflow at the centre of the neutral axis of the nozzle.

Explanatory notes:

Q [m³/h] – air flow

A_e [m²] – free discharge area

Δp_t [Pa] – total pressure drop

L_{wa} [dB(A)] – acoustic performance

X_(0,25) – Y_(0,25) [m] – air flow range for obtaining a comfortable air velocity in the residence zone under isothermal conditions of 0.25 m/s