



ZRZ

ZRAKOTESNA PROTISMERNA REGULACIJSKA ŽALUZIJA AIRTIGHT OPPOSED-ACTION VOLUME CONTROL LOUVRE

OPIS:

Zrakotesne regulacijske žaluzije se uporabljajo za regulacijo pretoka zraka in tlaka v prezračevalnih kanalih in napravah. V prezračevalni sistem so nameščene samostojno ali v kombinaciji z zaščitnimi rešetkami ali nihalnimi žaluzijami

KONSTRUKCIJA:

- zrakotesna konstrukcija (puščanje zraka ustreza razredu II, po VDI 3803 ali DIN 24194, del 2)
- nosilni okvir
- horizontalne lamele, ki se premikajo s pomočjo PVC mehanizma
- nosilec za ročico ali elektromotorni pogon

MATERIAL:

- okvir je lahko izdelan iz:
 - pocinkane pločevine
 - aluminijaste pločevine
 - nerjaveče pločevine
- lamele so izdelane iz AL profilov

TIP POGONA:

- C - ročna nastavitve z ročico
- E - pripravljen za montažo elektro pogona
- E + BELIMO ... - na željo kupca se na ohišje namesti izbrani Belimo pogon:
 - LM230A (ON -OFF)
 - LM24A (ON -OFF)
 - LM230A SR
 - LM24A SR
 - NM230A (ON -OFF)
 - NM24A (ON -OFF)
 - NM230A SR
 - NM24A SR
 - SM230A (ON -OFF)
 - SM24A (ON -OFF)
 - SM230A SR
 - SM24A SR

MONTAŽA: vgradnja s prirobnico na kanal

DESCRIPTION:

The airtight volume control louvre is used in air conditioning systems for air flow adjustment and control of pressure in rectangular ducts and air handling units. They are installed as independent devices or in combination with protection or overpressure louvres

CONSTRUCTION:

- airtight construction (air leakage flow complies with Class II, VDI 3803 or DIN 24194, part 2)
- supporting frame
- horizontal movable blades controlled by PVC mechanism
- bracket for handle or electromotor drive

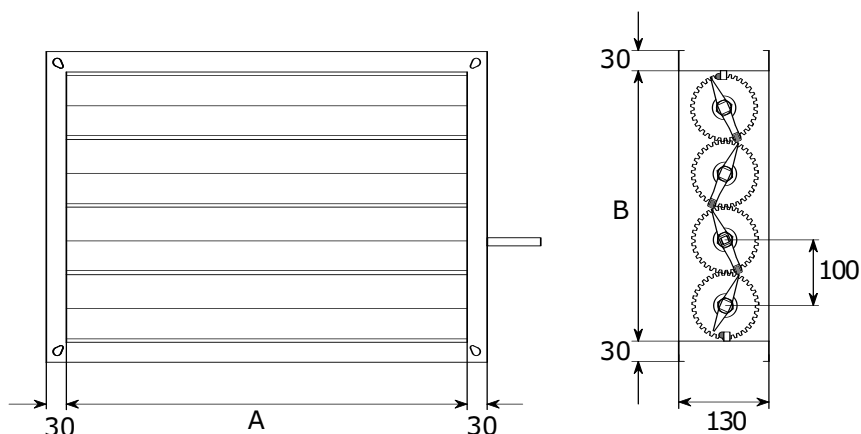
MATERIAL:

- frame is made from:
 - galvanized sheet metal
 - aluminium sheet metal
 - stainless steel sheet metal
- blades are made from AL profiles

TYPE OF DRIVE:

- C - manual adjustment with handle
- E - ready for electric drive
- E + BELIMO ... - upon request the Belimo electric motor drive can be added on the frame:
 - LM230A (ON -OFF)
 - LM24A (ON -OFF)
 - LM230A SR
 - LM24A SR
 - NM230A (ON -OFF)
 - NM24A (ON -OFF)
 - NM230A SR
 - NM24A SR
 - SM230A (ON -OFF)
 - SM24A (ON -OFF)
 - SM230A SR
 - SM24A SR

INSTALLATION: with flange on the duct

DIMENZIJE / DIMENSIONS:

ZRR žaluzije izdelujemo v poljubnih kombinacijah višine do 2000 mm in širine do 1200 mm.
 ZRR louvres are available in any combination of heights up to 2000 mm and widths up to 1200 mm.

Nivo hrupa in padec tlaka "alfa" = 10° do 80°
Sound power level and pressure drop "alfa" = 10° to 80°

Kot lopatic Blade angle (°)	Hitrost Velocity (m/s)	1m/s	2m/s	3m/s	4m/s	5m/s	7m/s	10m/s
10°	Δp_t (Pa)					5	9	19
	LwA0 (dB)					48	56	66
20°	Δp_t (Pa)			7	12	18	34	70
	LwA0 (dB)			42	48	54	63	71
30°	Δp_t (Pa)		9	23	41	65	125	250
	LwA0 (dB)		40	51	57	63	71	78
40°	Δp_t (Pa)		29	68	105	185	340	720
	LwA0 (dB)		49	60	67	73	81	89
50°	Δp_t (Pa)	21	84	190	310	520	990	
	LwA0 (dB)	43	61	71	77	83	91	
60°	Δp_t (Pa)	62	260	580	1045			
	LwA0 (dB)	54	72	82	89			
70°	Δp_t (Pa)	310	1310					
	LwA0 (dB)	72	89					
80°	Δp_t (Pa)	1480						
	LwA0 (dB)	88						

$$LwA \text{ (dB)} = LwA0 \text{ (dB)} + K$$

Korekcijski faktorji nivoja hrupa.
Sound power level correction factors.

A (m ²)	0,1	0,12	0,25	0,3	0,4	0,5	0,6	0,75	1	1,25	1,6	2	3
K	-10	-9	-6	-5	-4	-3	-2	-1	0	1	2	3	5

Območje delovanja motornih pogonov.
Application range for actuators.

H/B	200	300	400	500	600	700	800	900	1000	1100	1200
200	LM										
300											
400											
500											
600											
700											
800											
900	NM										
1000											
1100											
1200											
1300											
1400											
1500											
1600											
1700											
1800											
1900											
2000											
										SM	

NAČIN NAROČANJA / HOW TO ORDER:

ZRZ	600	x	500	ZN	E + LM230A
-----	-----	---	-----	----	------------

pogon / drive:

R - centralni ročni pogon / central manual drive

E - pripravljeno za elektromotorni pogon / ready for electromotor drive

E + BELIMO... - montiran elektromotorni pogon / mounted electromotor drive

material

ZN, AL, INOX

višina / height

standard 200-2000mm

poljubna / optional

širina / width

standard 200-1200mm

poljubna / optional

tip žaluzije / type of louver