

Description and application

Louvre with movable blades used in ventilation installation intake and exhaust as the end of air intake pipes and ventilation holes in the walls of buildings, adapted for assembling in a door or window profile.

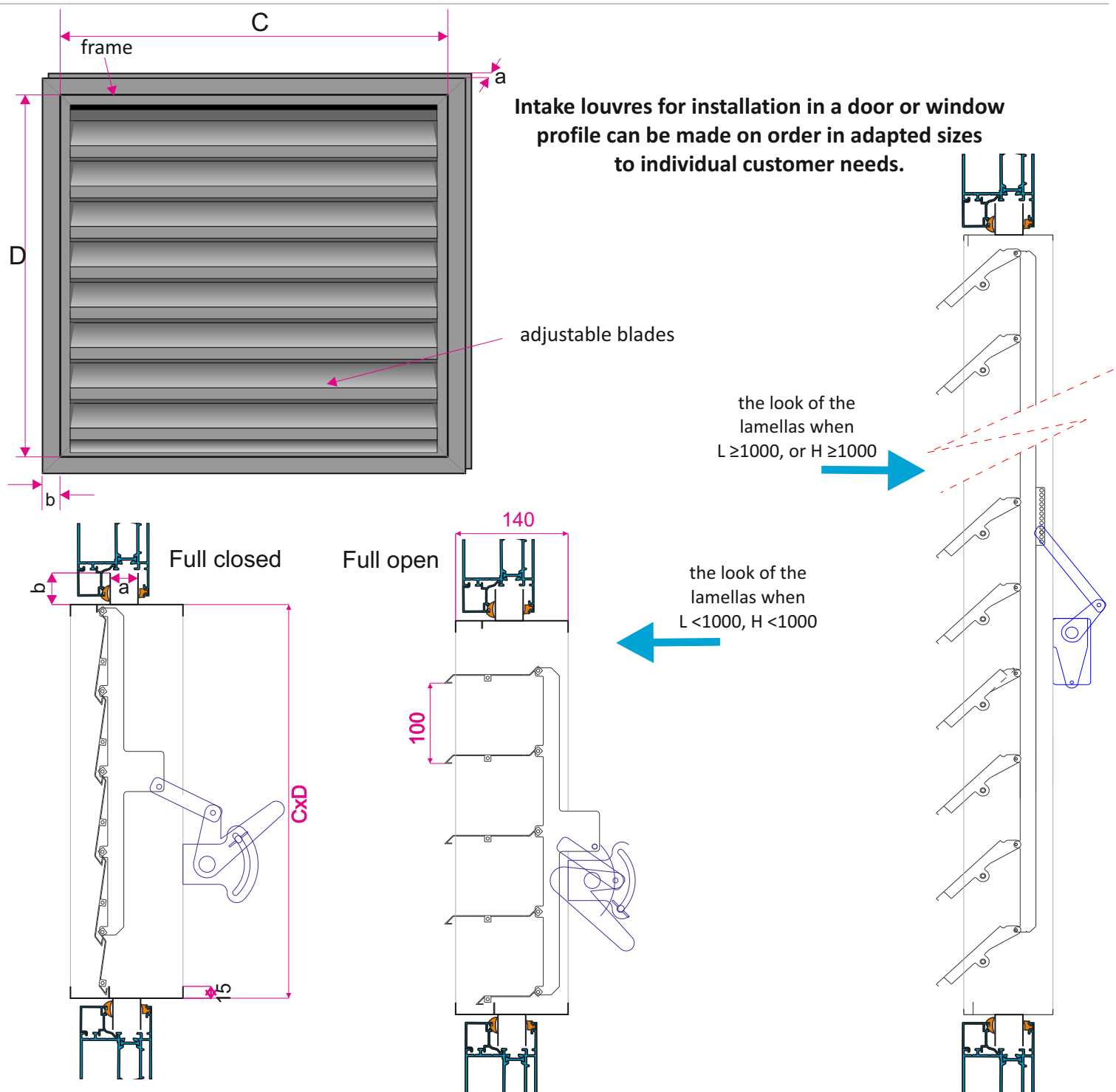
The special shape of the louvres / blades protects air intake hole before the precipitation. Additionally, on request it is possible to install protective mesh that protects before the bird, rodent and larger impurities (like the leaves) inside the installation.

Material and workmanship

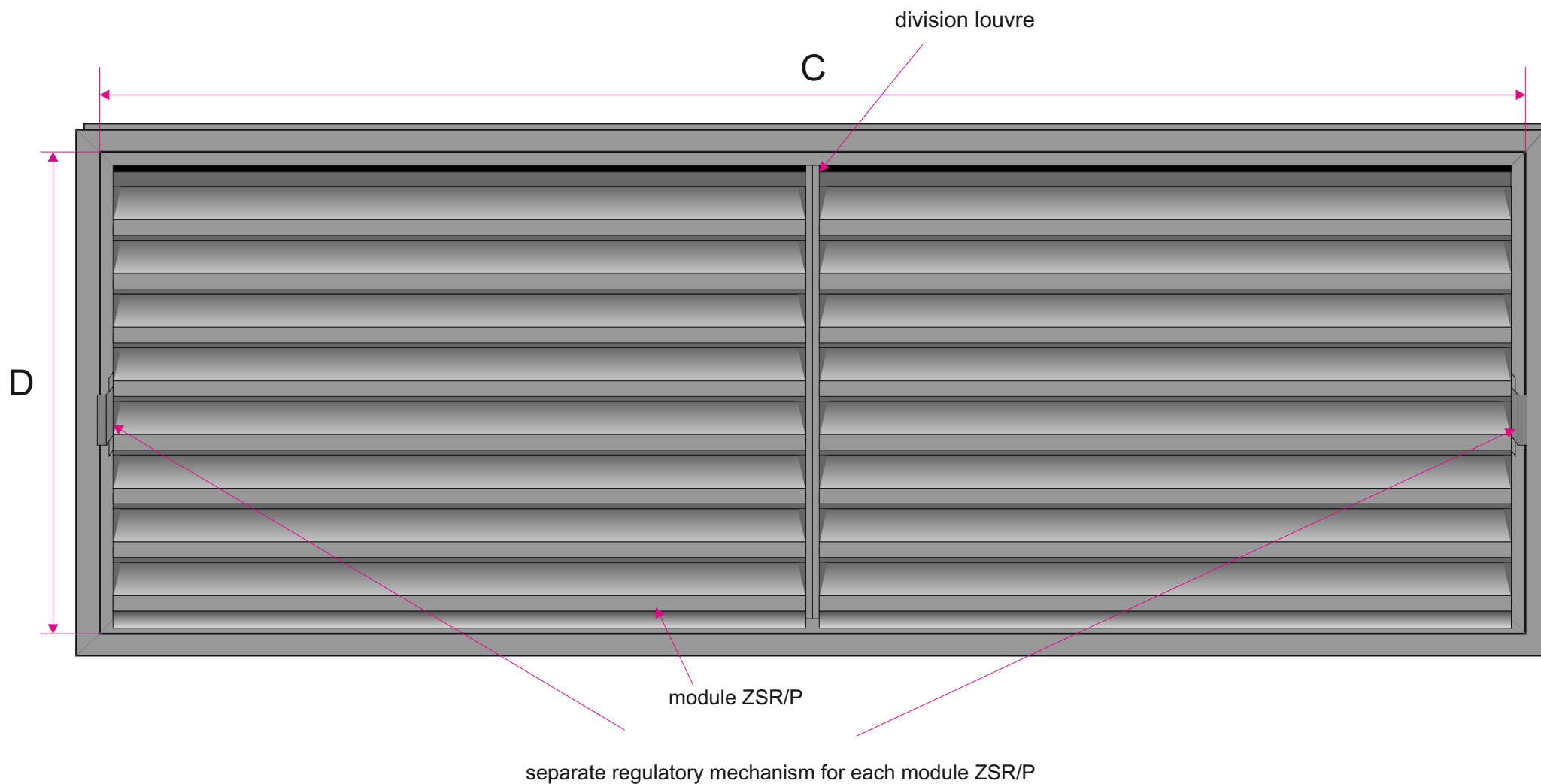
The frame and the louvre blades are made of galvanized steel powder coated in standard gray color RAL9006 or in any RAL color. On request it is possible to make louvre from aluminum or stainless steel. The manual mechanism allows you to set any opening angle. In the case of electrical control, the mechanism is adjusted to the Belimo rotary actuator. It is possible to use your own type of actuator. In this case, please send the technical data sheet of the model. The amount of actuators is dependent on the size of the louvre.

The manufacturer reserves the right to make production changes.

Size

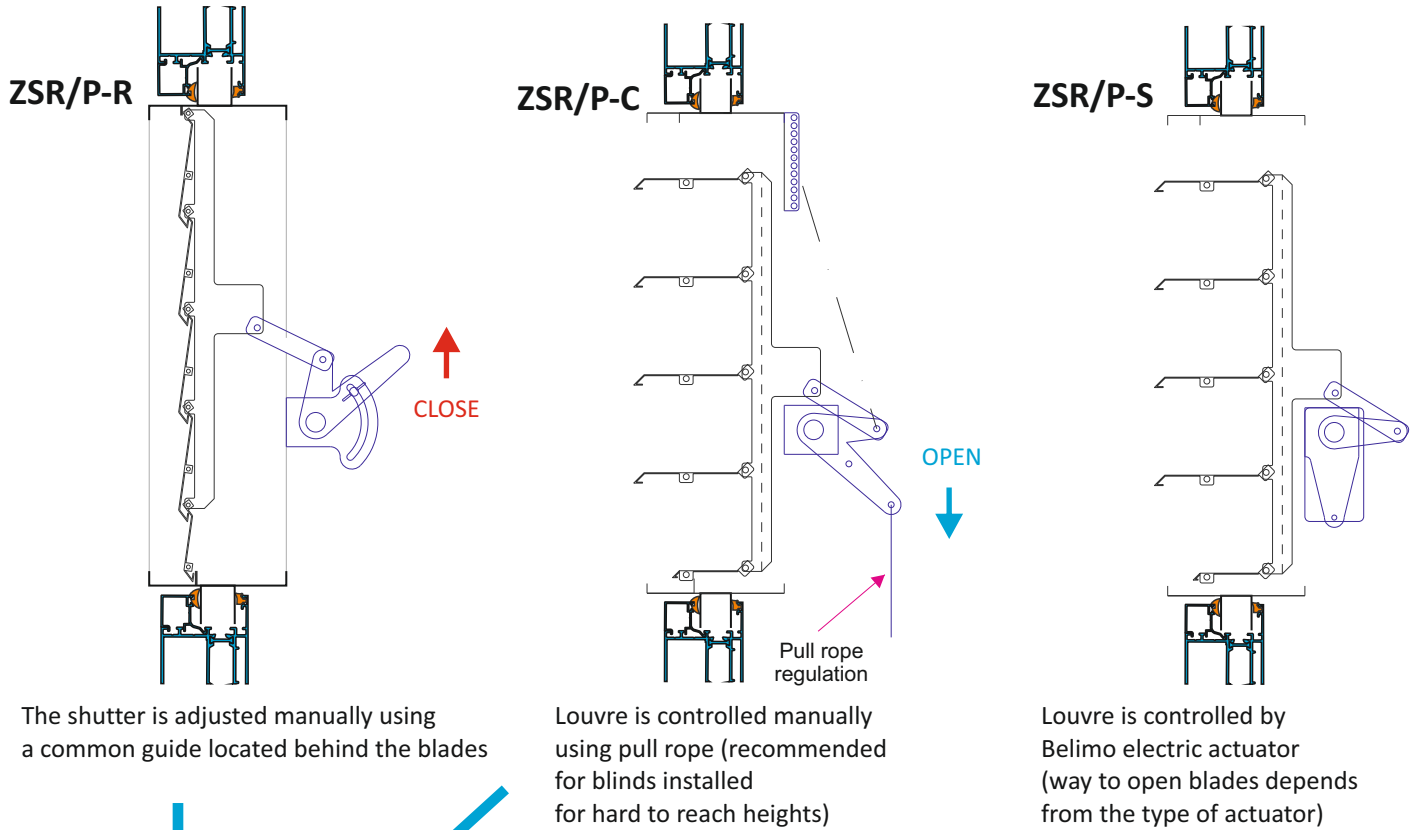


In case dimension C > 1500 mm the manufacturer may propose sharing the intake (agreed with the client).

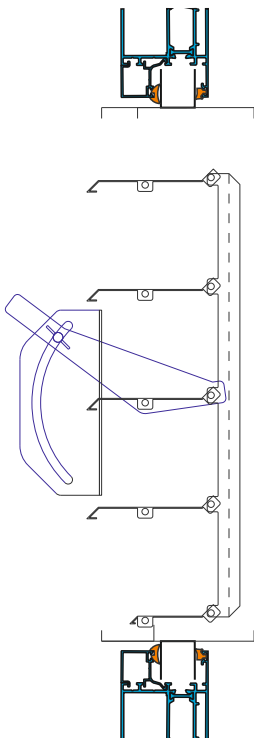


Options adjusting louvre

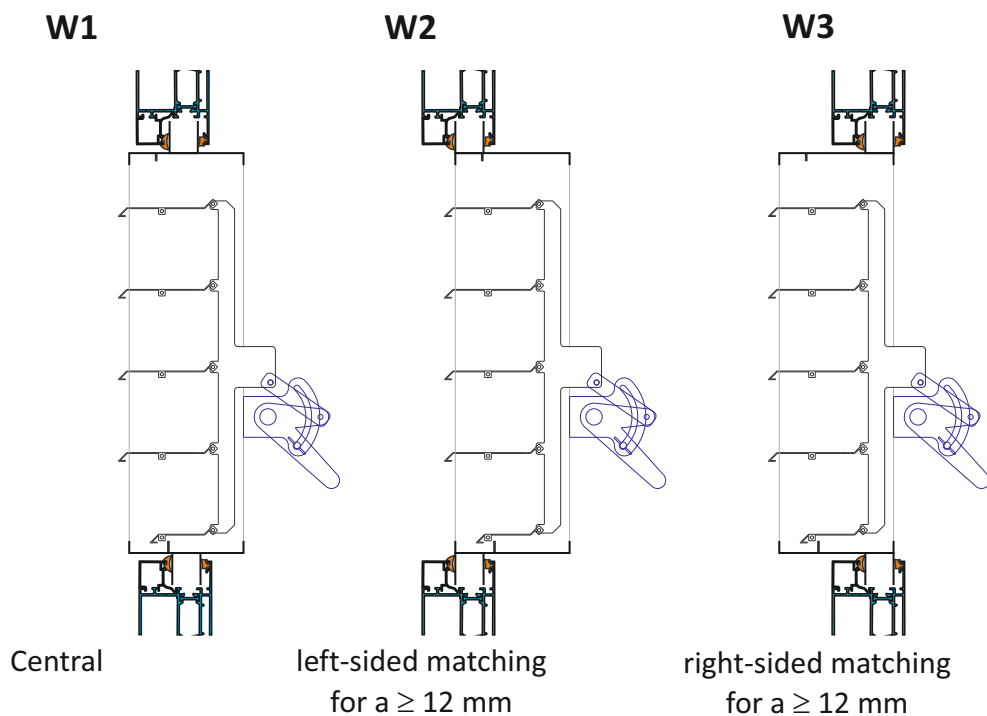
Louvre ZSR can be adjusted manually, using pull rope or by using an electric actuator:



Adjusted manually and with pull rope, are also available with the option of adjusting from the front.

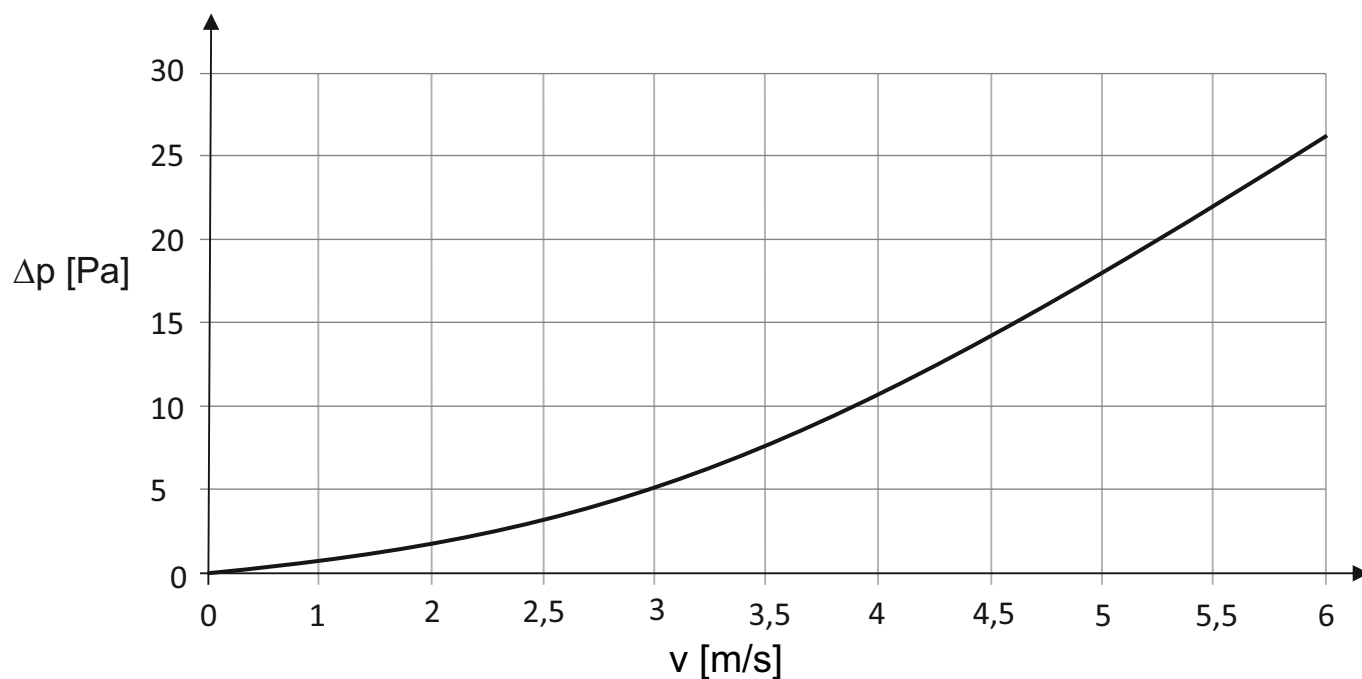


Methods of mounting

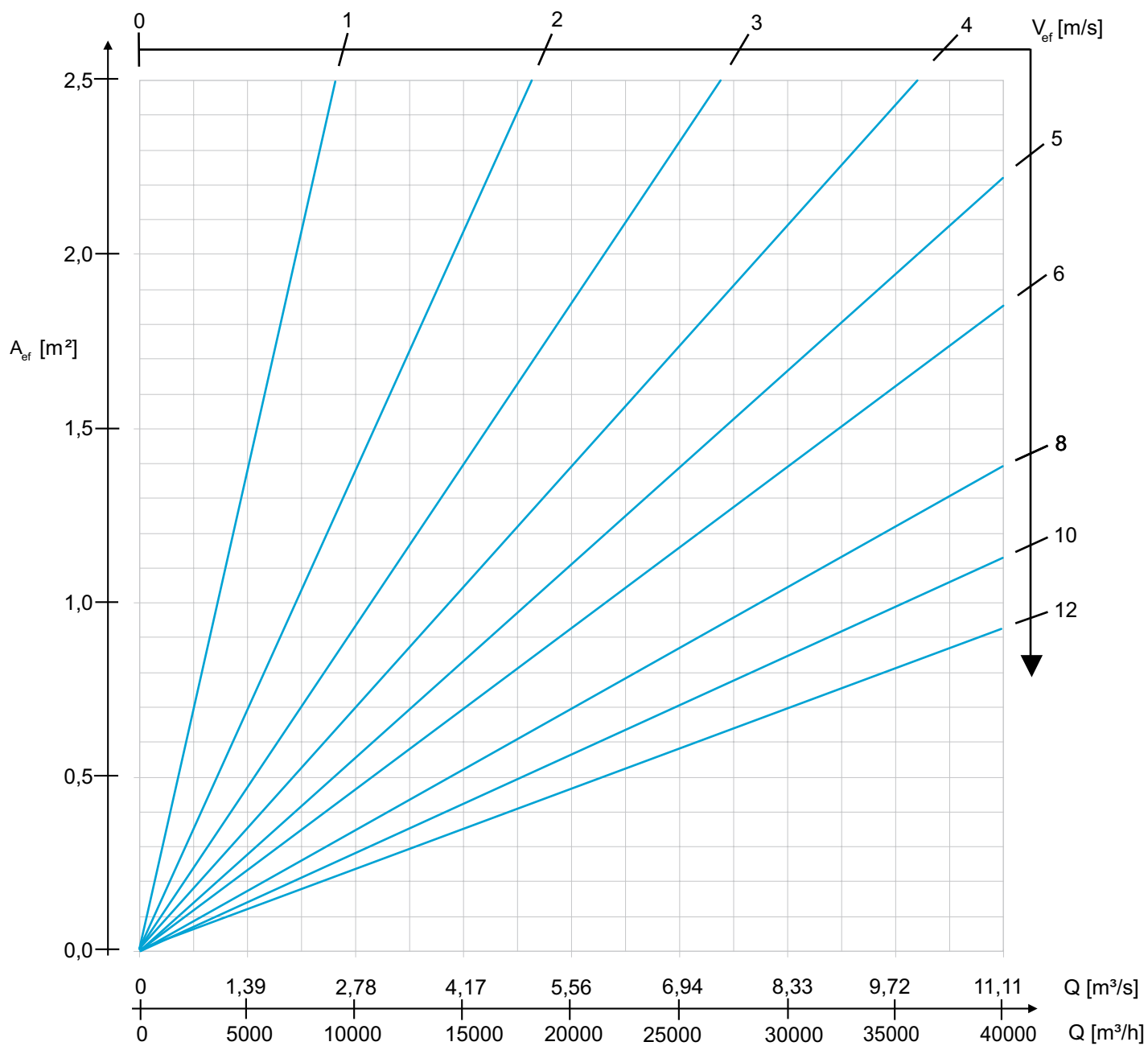


TECHNICAL DATA - data for louvre fully open

H [mm] \ L [mm]	600	800	1000	1200	1400	1600	1800	2000
Net free area A (m2) of ZSR wall blinds when fully open								
600	0,32	0,43	0,54	0,65	0,76	0,86	0,97	1,08
800	0,43	0,58	0,72	0,86	1,01	1,15	1,30	1,44
1000	0,54	0,72	0,90	1,08	1,26	1,44	1,62	1,80
1200	0,65	0,86	1,08	1,30	1,51	1,73	1,94	2,16
1400	0,76	1,01	1,26	1,51	1,76	2,02	2,27	2,52
1600	0,86	1,15	1,44	1,73	2,02	2,30	2,59	2,88
1800	0,97	1,30	1,62	1,94	2,27	2,59	2,92	3,24
2000	1,08	1,44	1,80	2,16	2,52	2,88	3,24	3,60

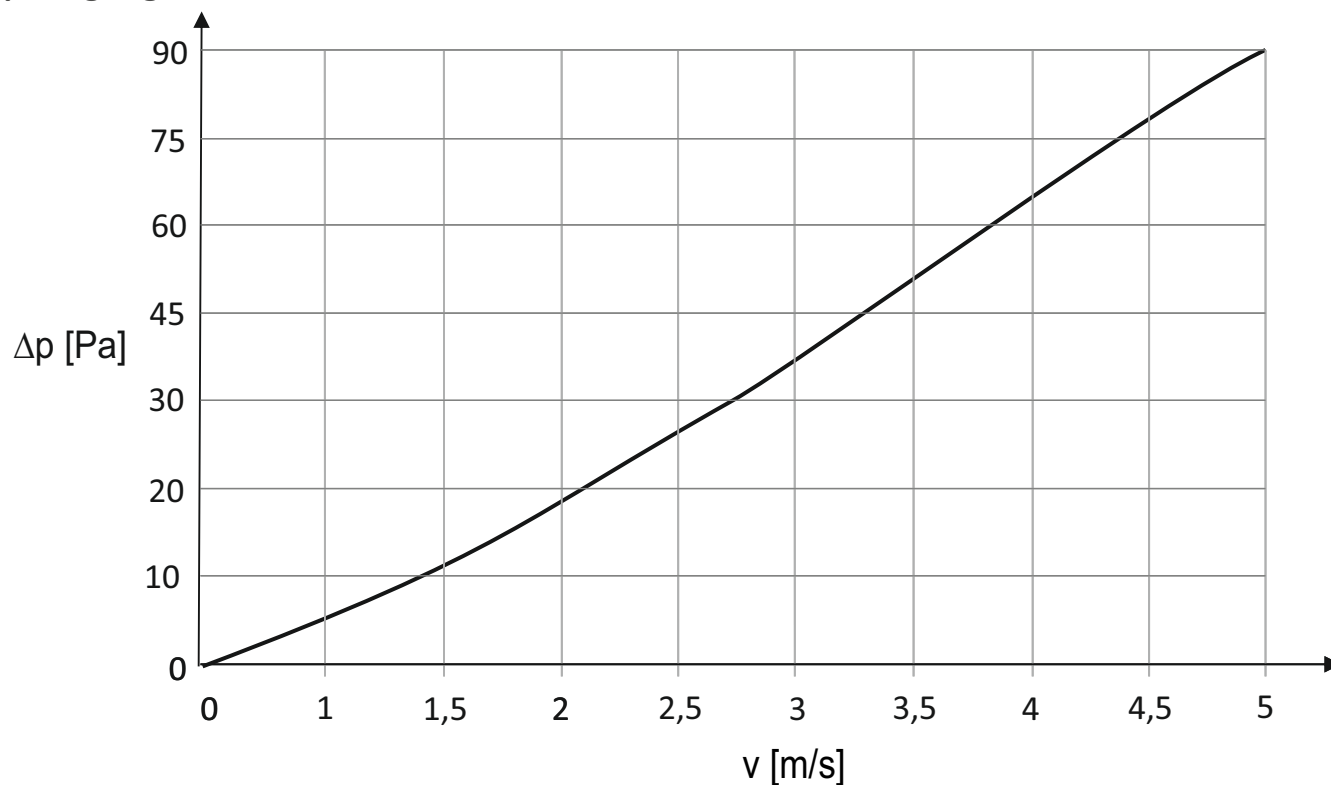


TECHNICAL DATA - louvre fully open

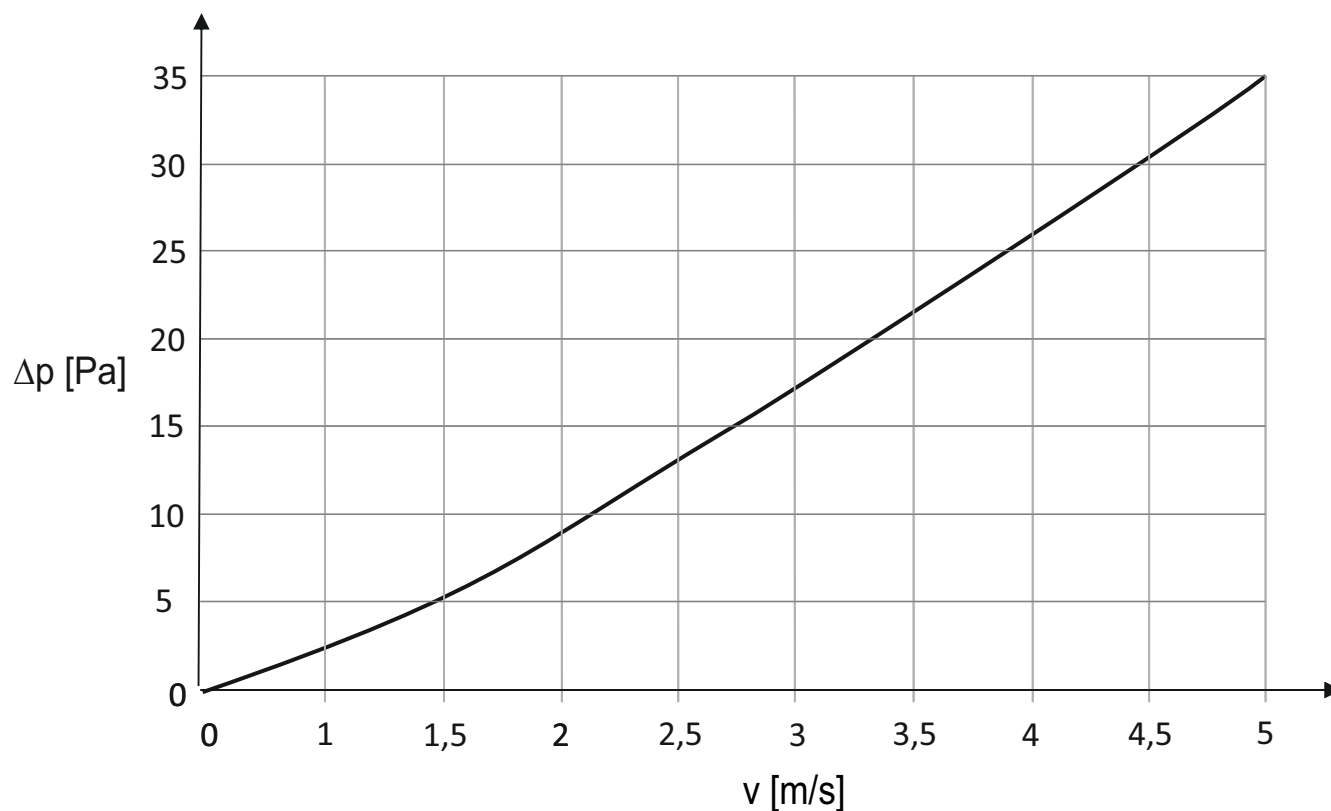


TECHNICAL DATA - pressure loss for lamellas open at 45° and 60°

Opening angle: 45°



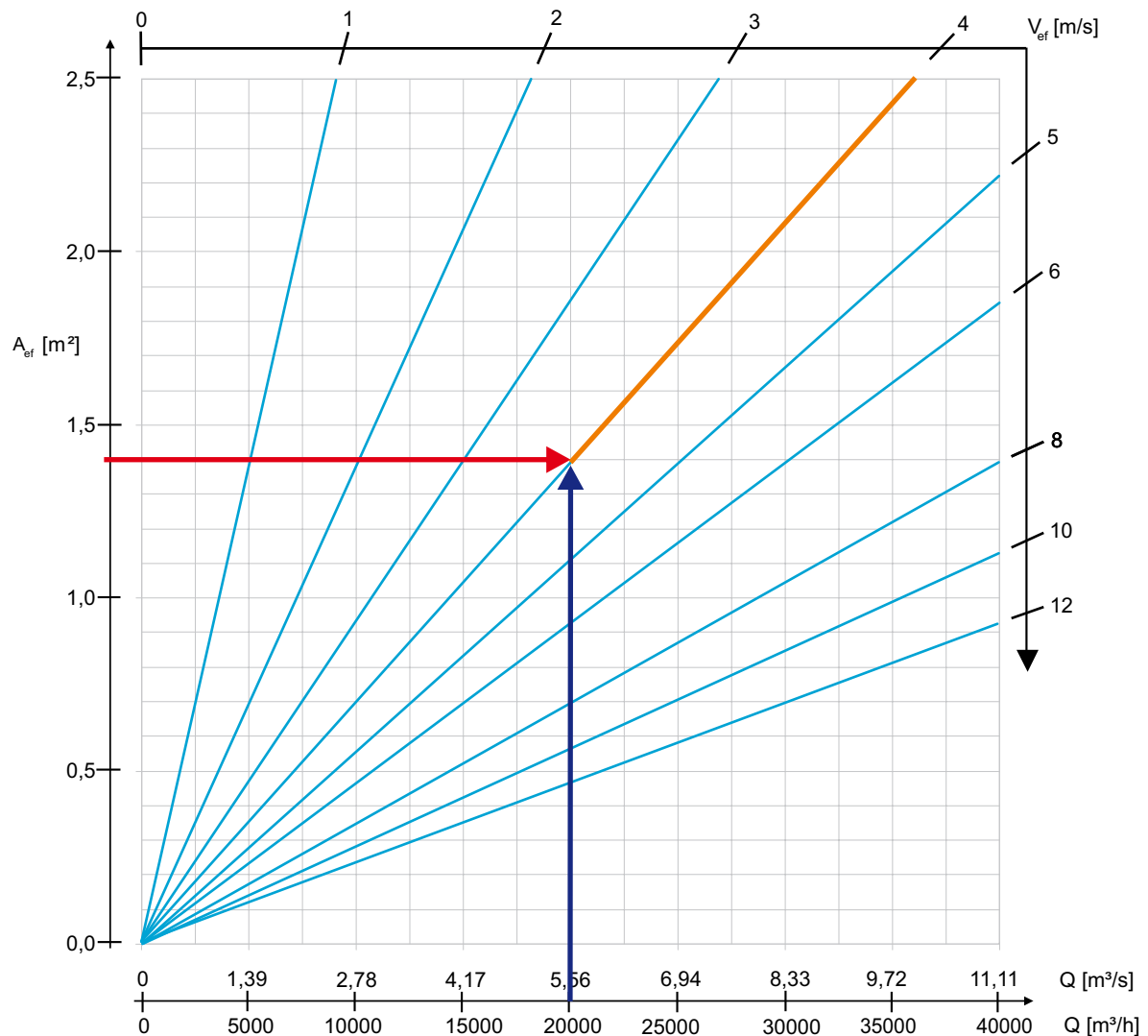
Opening angle: 60°



EXAMPLE

- air volume flow $Q=20000 \text{ m}^3/\text{h}$
- size of wall louvre: 1000×1800

H [mm] \ L [mm]	600	800	1000	1200	1400	1600	1800	2000
Net free area A (m ²) of ZSR wall blinds when fully open								
600	0,32	0,43	0,54	0,65	0,76	0,86	0,97	1,08
800	0,43	0,58	0,72	0,86	1,01	1,15	1,30	1,44
1000	0,54	0,72	0,90	1,08	1,26	1,44	1,62	1,80
1200	0,65	0,86	1,08	1,30	1,51	1,73	1,94	2,16
1400	0,76	1,01	1,26	1,51	1,76	2,02	2,27	2,52
1600	0,86	1,15	1,44	1,73	2,02	2,30	2,59	2,88
1800	0,97	1,30	1,62	1,94	2,27	2,59	2,92	3,24
2000	1,08	1,44	1,80	2,16	2,52	2,88	3,24	3,60



The method of placing an order

Please make orders according to the following formula:

ZSR/P / 'R' / PM' / 'Cx'D' / 'a' / 'b' / RAL' / 'M' / 'W'

'R'	- method of adjusting louvre: R - manual C - manual control with pull rope S - adjustment using the rotary Belimo actuator (standard actuator is not equipped with louvre)
'PM'	- position of the control mechanism t - on back of the adjusting louvre p - on front of the adjusting louvre
'Cx'D'	- size (width x height) in mm
'a'	- depth of the frame
'b'	- frame width
's'	- mesh BS - without protective mesh* ZS - with protective mesh
'RAL'	- louvre color according to RAL palette (standard RAL9006*)
'M'	- material: OC - galvanized steel* AL - aluminum KO - stainless steel / acid proof steel (type 1.4301 or 1.4404)
'W'	- methods of mounting in a panel: W1 - central * W2 - left-sided matching W3 - right-sided matching

* - If you don't give the information will be used standard parameters.