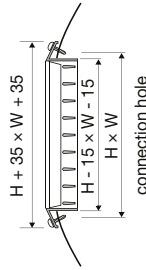


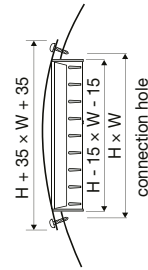
KVK/KVP – outlets to the circular pipe



zinc, lacquer



KVK1/KVP1



KVK2/KVP2

Technical parameters

Version

Circular pipe outlets with adjustable leaves and 20 mm spacing.

Construction

Outlets to the circular pipe are made from sheet steel. Comfort KVKs are equipped with a white firing color RAL 9010. Industrial KVP outlets have a frame provided with a light gray firing color RAL 7035 or are supplied only in galvanized design, leaves are aluminum (natural elox). The controls are made of galvanized sheet metal. Upon request, grids in copper and stainless steel AISI 304 and AISI 316 can be supplied.

Installation

Rectangular outlets for circular ducts are used to direct and regulate air flow in air handling equipment. Outlets are used for air supply or exhaust according to the type of installation.

Mounting

Standard fixing with screws.

Accessories

Regulating damper R1 made of galvanized steel equipped with regulating leaves with counter-rotating movement. Regulating damper R2 made of galvanized steel equipped with regulating blades with a uniform adjustable angle. Openable OT control flap with one control leaf allowing 30–35° adjustment.

Type key for ordering

outlet to the circular pipe

KV x 1 - V - 1 . 0 200 x 75

- 1 – K – comfortable RAL 9010
 P – industrial RAL 7035
 – industrial galvanized (without RAL)
- 2 – 1 – for all pipe diameters,
 2 – for specified piping
 minimum pipe $\varnothing = 2 \times$ grid height
- 3 – V – vertical sheets, H – horizontal sheets
- 4 – 1.0 – single row, 2.0 – double row
- 5 – dimensions

W x H [mm]	recommended \varnothing conduit	KVx1-V-2.0 KVx1-H-2.0	KVx1-V-1.0 KVx1-H-1.0	KVx2-V-2.0 KVx2-H-2.0	KVx2-V-1.0 KVx2-H-1.0	R1	R2	OT
200x75		•	•	•	•	•	•	•
300x75	150	•	•	•	•	•	•	•
400x75	200	•	•	•	•	•	•	•
500x75	250	•	•	•	•	•	•	•
600x75		•	•	•	•	•	•	•
800x75		•	•	•	•	•	•	•
200x100		•	•	•	•	•	•	•
300x100	300	•	•	•	•	•	•	•
400x100	350	•	•	•	•	•	•	•
500x100	400	•	•	•	•	•	•	•
600x100	450	•	•	•	•	•	•	•
* 800x100		•	•	•	•	•	•	•
* 1000x100		•	•	•	•	•	•	•
300x150		•	•	•	•	•	•	•
400x150	500	•	•	•	•	•	•	•
500x150	600	•	•	•	•	•	•	•
600x150	700	•	•	•	•	•	•	•
* 800x150	800	•	•	•	•	•	•	•
* 1000x150		•	•	•	•	•	•	•
400x200		•	•	•	•	•	•	•
500x200	900	•	•	•	•	•	•	•
600x200	1000	•	•	•	•	•	•	•
* 800x200	1100	•	•	•	•	•	•	•
* 1000x200	1200	•	•	•	•	•	•	•

* centre reinforcement, • supplied types and dimensions

regulation

R1 600 x 300

1

1 – dimensions (W x H) (mm)

R2 600 x 300

1

1 – dimensions (W x H) (mm)

opening control flap

OT 600 x 300

1

1 – dimensions (W x H) (mm)

KVK/KVP – outlets to the circular pipe

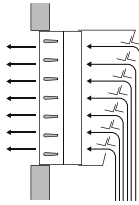
Explanatory notes:

KV×1	outlet for standard diameters (see table)
KV×2	outlet for a circular pipe for any diameter (required pipe diameter required when ordering)
KV×1-H-1.0	single-row outlet, horizontal leaves
KV×1-V-1.0	outlet single row, vertical leaves
KV×2-V-2.0	two-row outlet, front leaves vertical (rear leaves horizontal)
KV×2-H-2.0	two-row outlet, front leaves horizontal (rear leaves vertical)

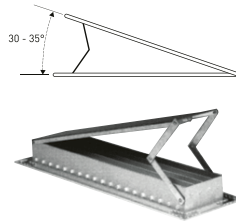
Accessories:

R1	regulation R1
R2	regulation R2
OT	opening control flap

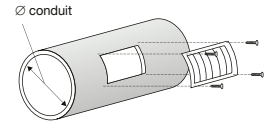
Additional illustration



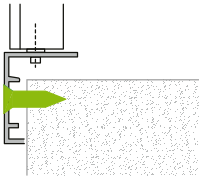
facade supply element R2



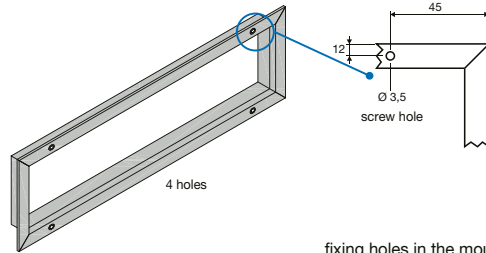
opening control flap OT



installation method

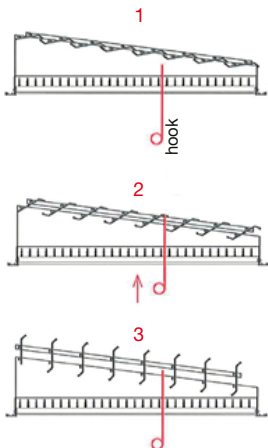


fastening with screws

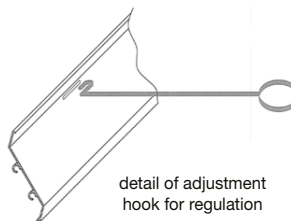
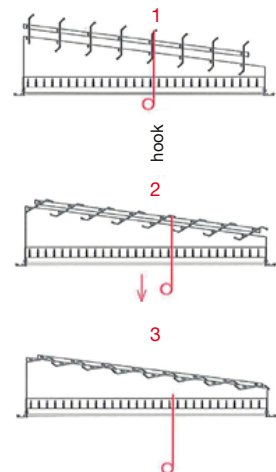


fixing holes in the mounting frame

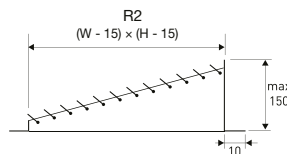
opening



closure



detail of adjustment hook for regulation

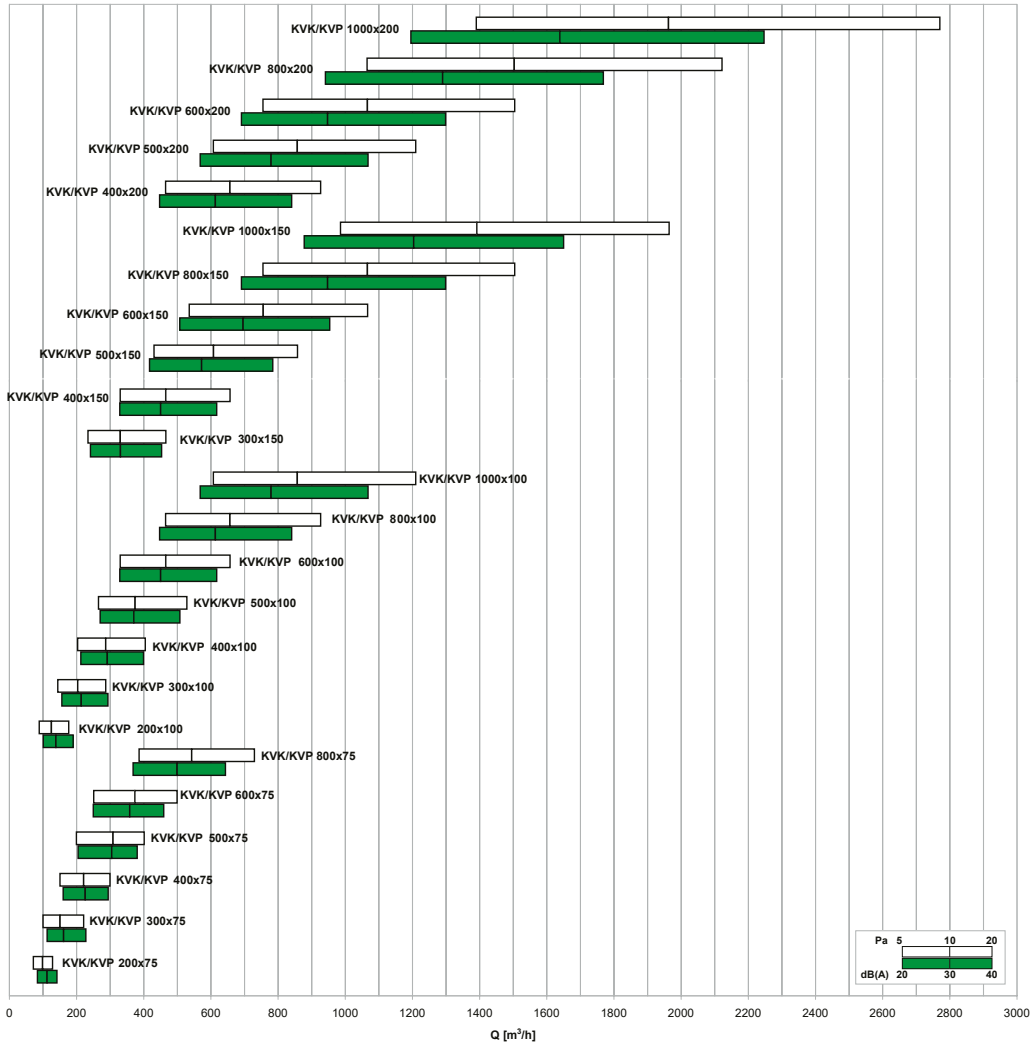


Opening / Closing the control flap

- 1) Pass the hook through the ribs of the nozzle and catch the pre-prepared hole as detailed above.
- 2) Push in the direction indicated by the arrow to regulate or close the damper. This will ensure the correct rotation angle of the control sheets.
- 3) Remove the adjusting hook and measure if necessary.

KVK/KVP – outlets to the circular pipe

Quick Design Table



7₂

KVK/KVP – outlets to the circular pipe

Type	A _s [m ²]	Q [m ³ /h]		L _{wa} [dB(A)]		X _(0,25) [m]		Δp _t [Pa]	
		min	max	min	max	min	max	min	max
KVK/KVP 200×75	0.007275	70	135	–	37	2	2.8	5	20
KVK/KVP 300×75	0.011775	100	220	–	38	2.3	3.3	5	20
KVK/KVP 400×75	0.016575	150	300	–	40	2.5	3.7	5	20
KVK/KVP 500×75	0.0216750	200	400	–	40	2.7	4.2	5	20
KVK/KVP 600×75	0.026925	250	500	20	41	3	4.6	5	20
KVK/KVP 800×75	0.038025	370	730	22	42	3.4	5.4	5	20
KVK/KVP 200×100	0.0097	90	180	–	38	2.6	3.5	5	20
KVK/KVP 300×100	0.0157	140	290	–	40	2.8	4.0	5	20
KVK/KVP 400×100	0.0221	200	400	–	40	3.1	4.4	5	20
KVK/KVP 500×100	0.0289	270	530	–	41	3.3	4.9	5	20
KVK/KVP 600×100	0.0359	330	660	20	42	3.5	5.3	5	20
KVK/KVP 800×100	0.0507	470	930	22	43	3.9	6.1	5	20
KVK/KVP 1000×100	0.0662	610	1210	22	44	4.2	6.7	5	20
KVK/KVP 300×150	0.0255	230	470	–	41	3.2	4.7	5	20
KVK/KVP 400×150	0.0359	330	660	20	42	3.5	5.3	5	20
KVK/KVP 500×150	0.0469	430	860	21	43	3.8	5.9	5	20
KVK/KVP 600×150	0.0584	540	1070	22	44	4.1	6.4	5	20
KVK/KVP 800×150	0.0823	760	1500	23	45	4.6	7.3	5	20
KVK/KVP 1000×150	0.1074	990	1960	24	45	5.0	8.2	5	20
KVK/KVP 400×200	0.0507	470	930	22	43	3.9	6.1	5	20
KVK/KVP 500×200	0.0662	610	1210	22	44	4.2	6.7	5	20
KVK/KVP 600×200	0.0823	760	1500	23	45	4.6	7.3	5	20
KVK/KVP 800×200	0.1161	1060	2120	24	46	5.1	8.5	5	20
KVK/KVP 1000×200	0.1515	1390	2770	25	47	5.7	9.6	5	20

Explanatory notes:

Q [m ³ /h]	air flow
A _s [m ²]	free discharge area
Δp _t [Pa]	total pressure drop
L _{wa} [dB(A)]	free discharge area
X _(0,25) [m]	air flow range to obtain a comfortable air speed in the living area of 0.25 m/s