

**KR Regulating and shut-off damper**

Damper for shut-off and regulation of air flow in rectangular duct systems.

**Versions**

KR dampers are manufactured in 4 versions:

**KR2** – Damper, tightness class 1 (EVS-EN 1751:2014). For regulating air flow in duct systems.

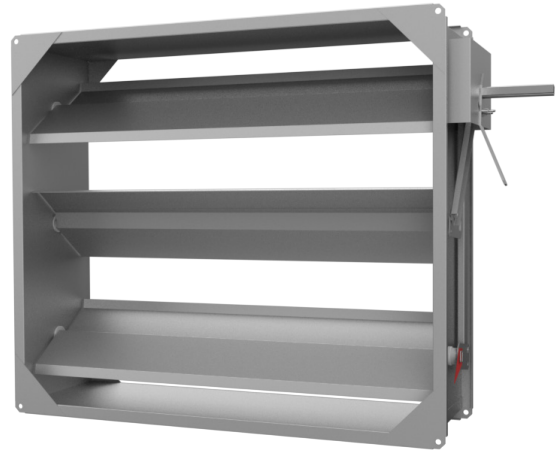
**KR4** – Edge-sealed damper for shut-off and regulation, tightness class 3 (EVS-EN 1751:2014). For systems with high requirements for tightness.

**KR4-S** – Edge-sealed damper for shut-off and regulation with thermal insulation, tightness class 3 (EVS-EN 1751:2014). For systems with high temperature variations and high requirements for tightness.

KR4-S the measured thermal transmittance  $U_m=4 \text{ W/m}^2\text{K}$ .

**KR4-S LE** - Edge-sealed damper for shut-off and regulation with thermal insulation, tightness class 3 (EN 1751:2014).

KR type of damper external casing leakage class is C according to EVS-EN 1751:2014.



**Structure and dimensions**

KR dampers are manufactured of galvanized steel. Blade bearings polyamide.

KR2 - blades made of galvanized steel sheet, no extra gaskets.

KR4 - profiled blades with polyamide edges and silicone gaskets.

KR4-S - blades filled with mineral wool.

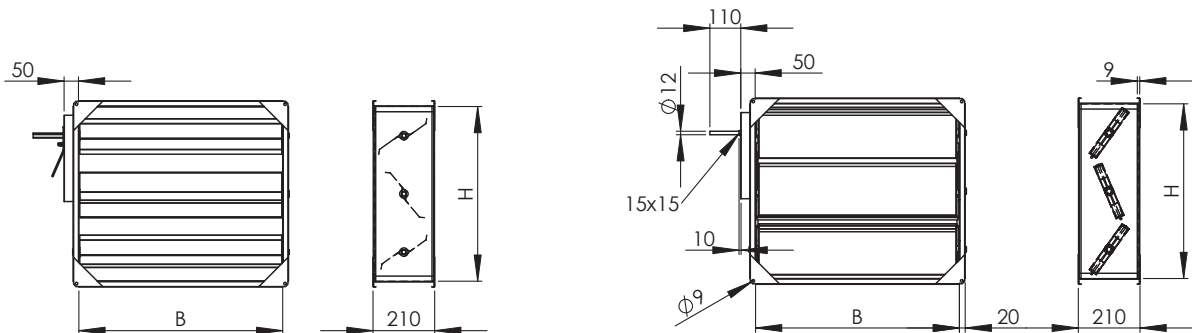
All blades with profiled sandwich structure and smooth surface to prevent thermal bridges and dirt accumulation.

**Measurements**

Width B 200 mm, ....., 3000 mm

Height H 200 mm, ....., 3000 mm, when  $H > 2000 \text{ mm}$  2 motor shelves needed.

B x H Max 5 m<sup>2</sup>, if surface area  $> 5 \text{ m}^2$ , 2 or more dampers are needed.

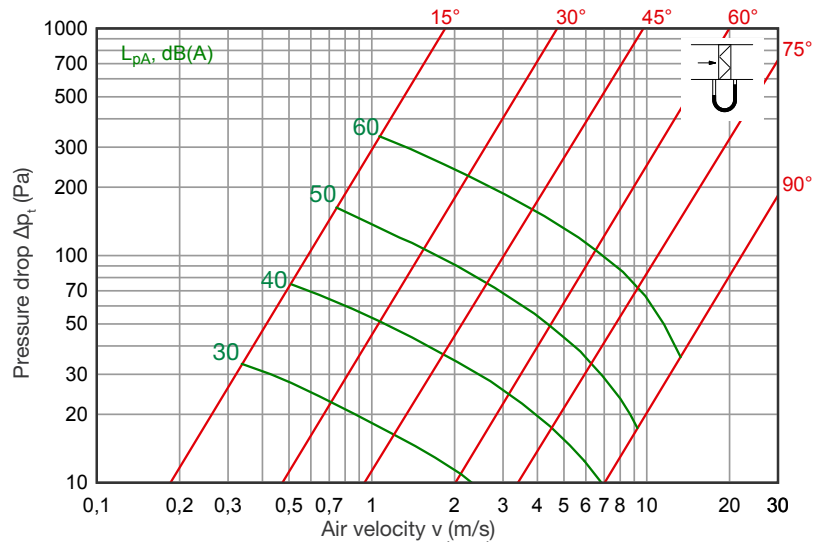


The rounded lever is used when damper blades area is  $< 0,6 \text{ m}^2$ !

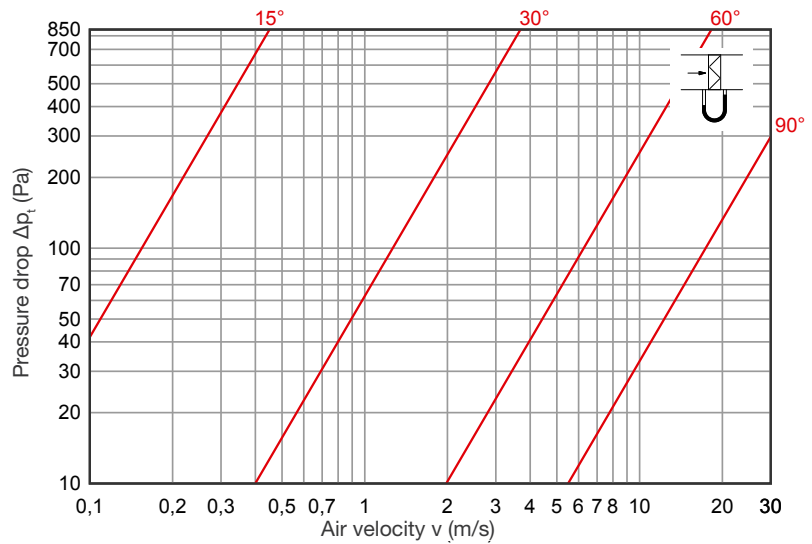
**Technical parameters**

KR-type regulating damper blades density class has been tested according to standard EN 1751: 2014.

**KR2**



**KR4**



**Marking**

<b>KR2</b>	<b>B x H</b>	<b>K</b>	<b>D1=400</b>
Type KR2 tightness 1 KR4 tightness 3 KR4-S tightness 3, with insulated blades	Width x Height	K - manual adjustment M- motor base	D1- round connection D2 – round connection both ends

Example: KR4- 400x400- K

**Material codes:**

H - acid-proof steel (standards EVS-EN 10088-2:2014, EN 1.4436 or AISI 316)  
 ZM -zinc-magnesium coated steel (standard EVS-EN 10346:2015, DX51D+ZM310)