



Control and shut-off damper -JK

Description

The JK multi-leaf damper is a control and shut-off damper intended for use as mixing damper in ventilation systems. The damper has good regulation properties and satisfies the Swedish standard for air tightness, VVS AMA 98, section QJB.41. The damper is available in two classifications, depending on the air tightness requirements.

Design

The JK mixing damper comprises a number of opposed blades, swivelling on nylon bearings in a sheet metal framework. The blades are connected via a system of linkages on the outside of the framework, which is protected for insulation. On dampers with a height exceeding 600 mm, two of the blades have extended axles for connection of a regulating device. The damper is available with flange connections. Both the blades and the frame are made of hot-dip galvanised sheet steel, but are also available in aluzinc, aluminium or stainless steel. The sealing gaskets on the long sides of the blades are patented. The damper blades are manufactured with a height of 200 mm.

Air tightness classifications

The damper is manufactured according to classifications 2 and 3. The damper blades have silicone sealant, that seal against the damper frame.

Sizes

JK is manufactured in a large number of standard dimensions.

Temperature

The maximum air temperature for the standard damper is 100°C. Dampers for higher temperatures can also be supplied, and these are equipped with metal bushes.

Maintenance

We recommend preventive maintenance of the damper twice per year for optimum performance. If the damper gets dirty, the blades should be cleaned. The gasket sealing should be checked and the blade axles lubricated as necessary.

Damper selection

Select a suitable damper motor in accordance with separate diagram.

Accessories

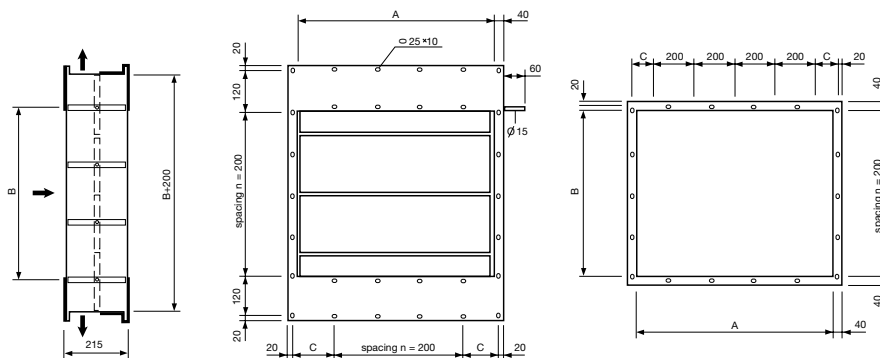
Counter flange.
Wall frame.
Damper motor

Dampers

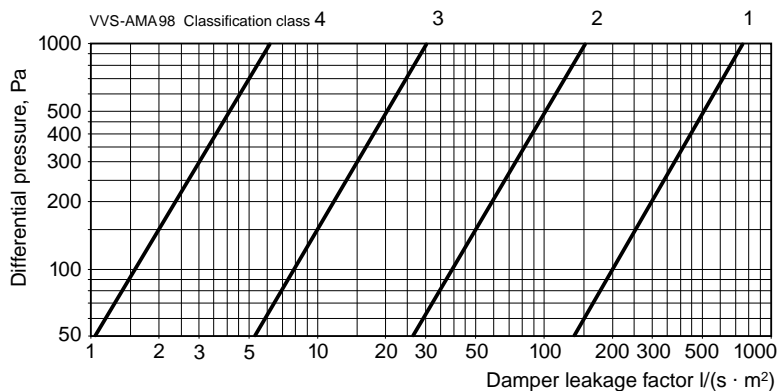


Technical data JK

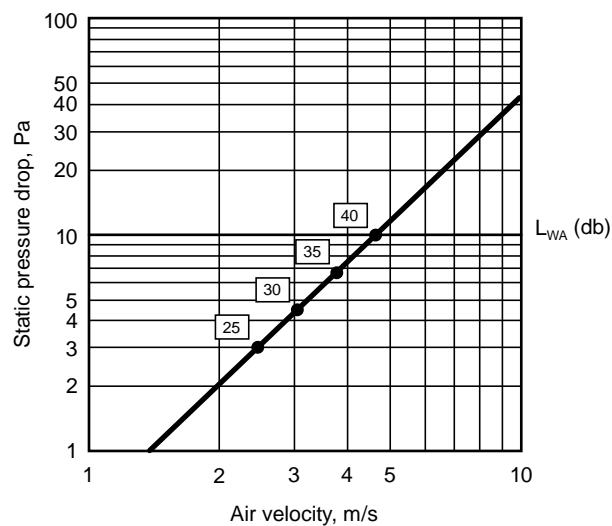
Dimensions



Air tightness classification



Pressure drop and sound power level



Dampers



Correction of sound power level L_{WACORR} for different sizes. $L_{WACORR} = L_{WA} + K_1$

Damper area	0.04	0.09	0.15	0.3	0.6	1.2	2.0	3.0	4.0
K_1-3	0	+2	+5	+8	+11	+13		+15	+16

Correction of sound power level L_{WAOC} in octave bands. $L_{WAOC} = L_{WACORR} + K_{OC}$

Octave band Operating angle	125	250	500	1K	2K	4K	8K
$K_{OC} 90^\circ$	+1	0	-1	-7	-13	-21	-23

Sound power level measured in accordance with ISO 3741 and ISO 5135 by Sveriges Provnings- och Forskningsinstitut (the Swedish National Testing and Research Institute).

How to order the-JK

Designation: Multi-leaf damper EKO-JK-A-B-C-D-E

A	B	C	D	E
SIZE	AIR TIGHTNESS CLASSIFICATION	MATERIAL	CONNECTION	ACCESSORIES
(Width x Height)	1 = Classification 2 2 = Classification 3	3 = Galvanized. 4 = Aluzinc (M3) 5 = Aluminium 6 = Stainless steel 2333 7 = Stainless steel 2343	8 = Flange	9 = Counter flange 10 = Wall frame 11 = Damper motor

Example: 1 Multi-leaf damper JK-800x800-1-3-8-9