

Control valves type KDM

Circular control valves with manual quadrant.
Channeling system with EPDM sealing, airtightness until class EN12237, depending on the assembly.
Enclosure airtight to EN 1751 class C. The airtightness class is also determined by the mounting on the construction site.

Accessories

- Control valve type **KDM** can be motorized with an actuator type **LM**, **NM**, **LF** or **NF/SF**
- If used with servomotor type **LM**, a mounting plate type **MP-LM** is obligatory. An axle extension type **AEX-12/M6 100 mm** is necessary for **KDM 80** until **KDM 400**
- If used with servomotor type **NM**, a mounting plate type **MP-NM** is obligatory. An axle extension type **AEX-12/M6 100 mm** is necessary for **KDM 80** until **KDM 400**
- If used with servomotor type **LF**, a mounting plate type **MP-LF** is obligatory. An axle extension type **AEX-12/M6 100 mm** is necessary for **KDM 80** until **KDM 400**
- If used with servomotor type **NF** or **SF**, a mounting plate type **MP-NF/SF** is obligatory. An axle extension type **AEX-12/M6 100 mm** is necessary for **KDM 80** until **KDM 400**
- An actuator with more than 5Nm (**NM**, **NF** or **SF**) is recommended for **KDM** size 560 and 630
- From **KDM** diameter 450 the valve is already equipped with an axle extension so no extension will be needed.

Other available products

- Air tight control valves, type **AKH**

Text for tender

- A circular control valve with manual quadrant is used for a good regulation of the air flow. If necessary the valve can be motorized by replacing the manual quadrant into a servomotor type **Belimo LM**. In that case a mounting plate (type **MP-LM**) and axle extension (type **AEX-12/M6 100 mm**) are recommended.
- type **KDM**

Order example

■ **KDM, 250**

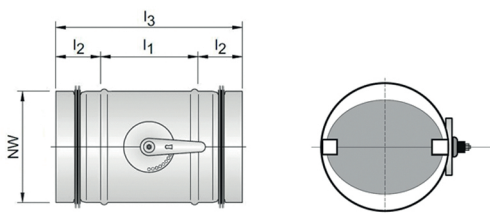
Explanation :

KDM = Type of valve

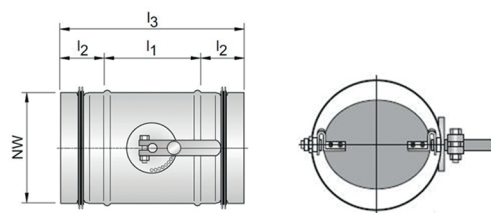
250 = Diameter of valve

Motorisation accessories			
	KDM Ø80 -> Ø400	KDM Ø450 -> Ø500	KDM Ø560 -> Ø630
LM	MP-LM + AEX-12/M6 100mm	MP-LM	-
NM	-	-	MP-NM
LF	MP-LF + AEX-12/M6 100mm	MP-LF	-
NF/SF	-	-	MP-NF/SF

Ø 80 - 400



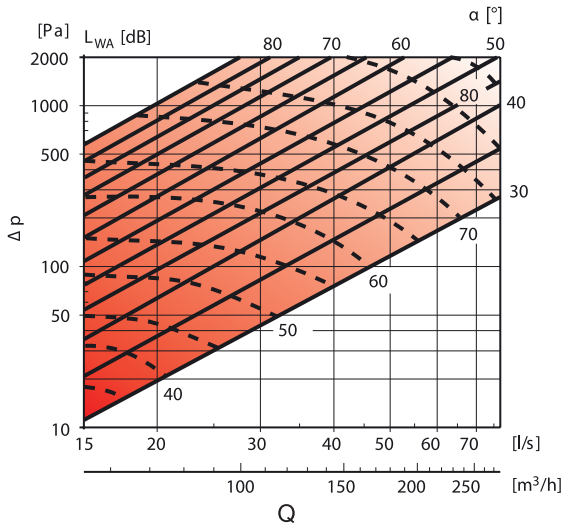
Ø 450 - 630



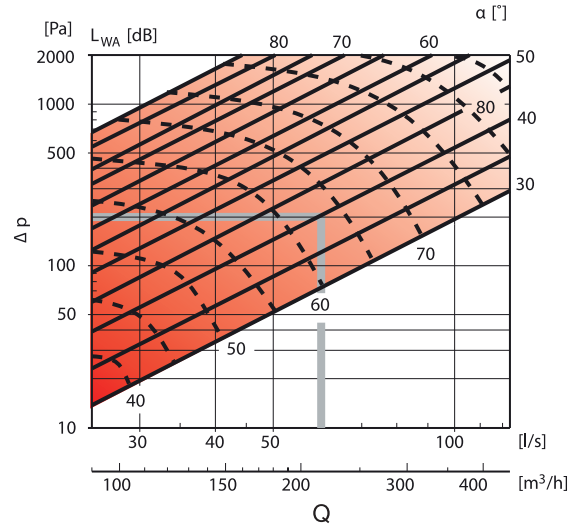
Type	Dia [mm]	Dimensions		
		L1 [mm]	L2 [mm]	L3 [mm]
KDM 80	80	120	40	200
KDM 100	100	120	40	200
KDM 125	125	120	40	200
KDM 150	150	120	40	200
KDM 160	160	120	40	200
KDM 180	180	120	40	200
KDM 200	200	140	40	220
KDM 250	250	140	40	220
KDM 280	280	130	60	250
KDM 300	300	130	60	250
KDM 315	315	130	60	250
KDM 355	355	130	60	250
KDM 400	400	130	60	250
KDM 450	450	130	60	250
KDM 500	500	270	60	390
KDM 560	560	270	60	390
KDM 630	630	470	60	590

Pressure losses and sound levels

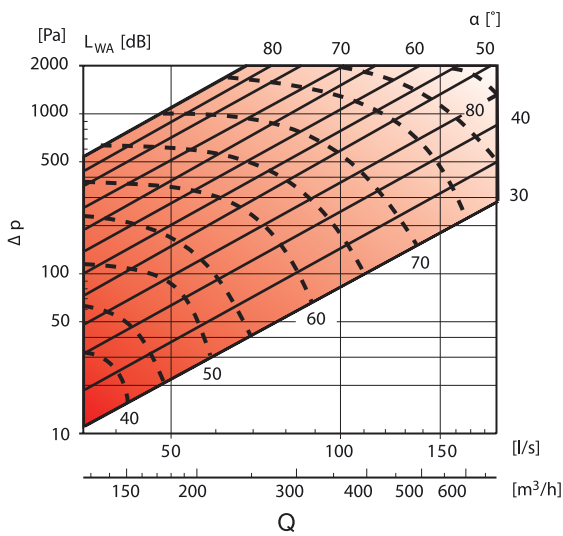
KDM Ø80



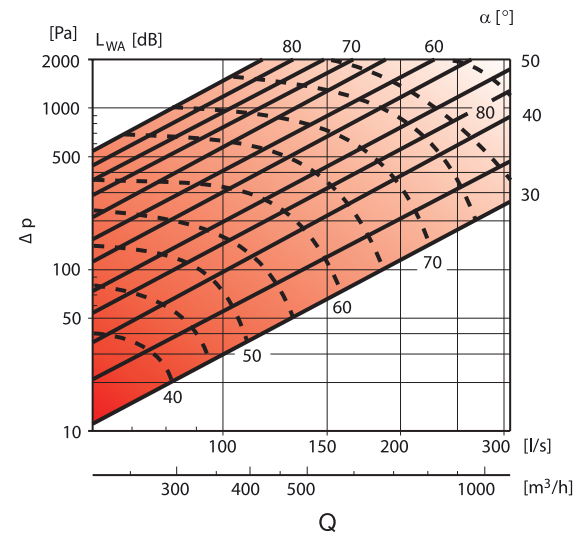
KDM Ø100



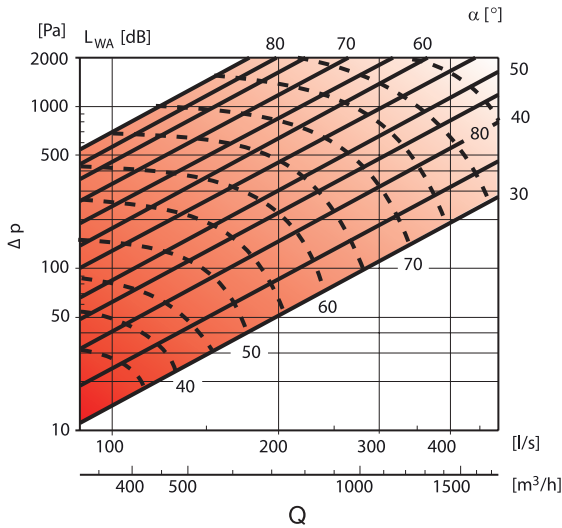
KDM Ø125



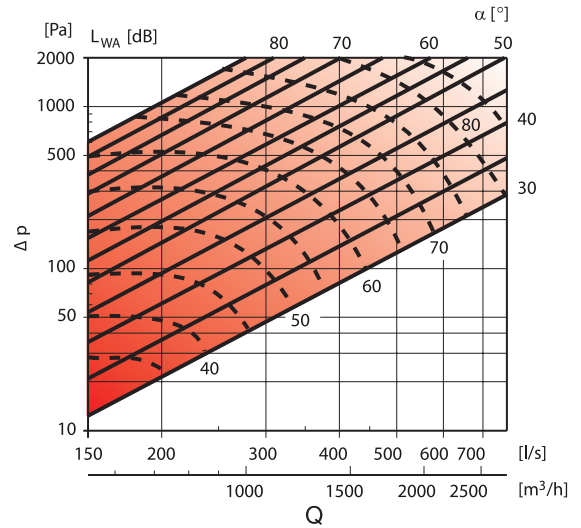
KDM Ø160



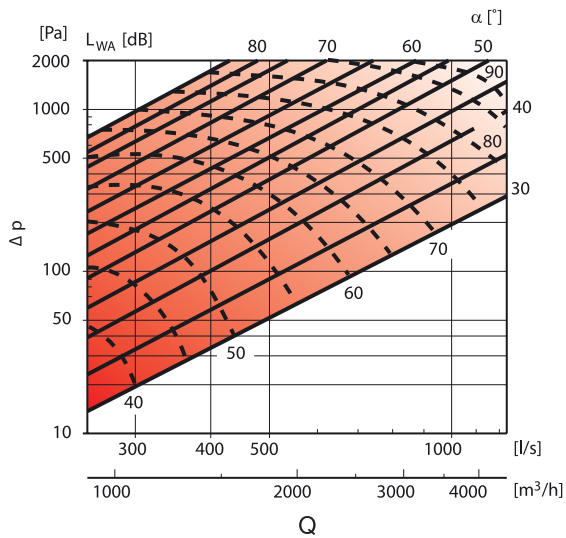
KDM Ø200



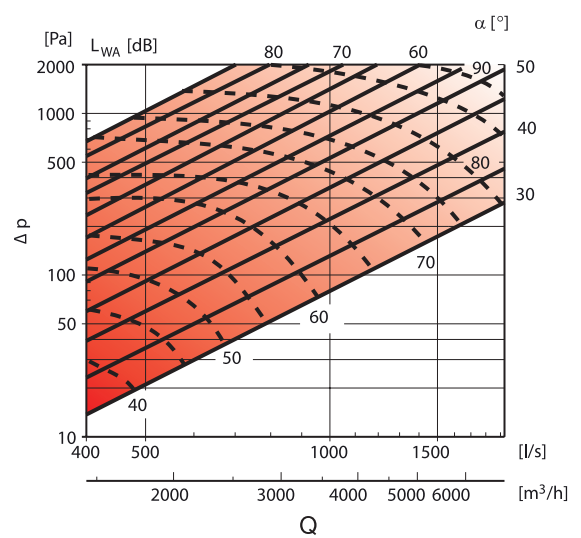
KDM Ø250

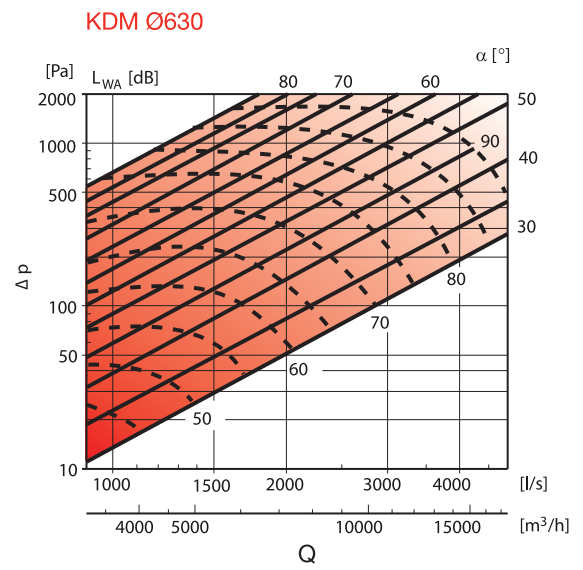
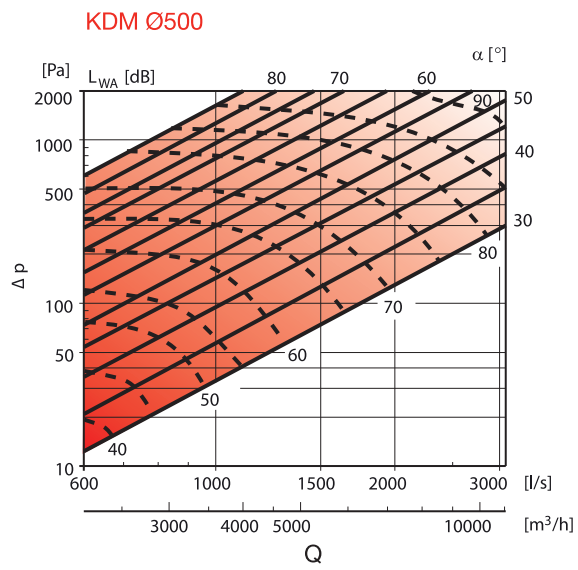


KDM Ø315



KDM Ø400







Axle extensions type AEX-12/M6

Axes extension for Belimo servomotor-mounting on a circular control valve.
Provided with internal thread M6. Thread to be secured with metal glue.
Always to be used in combination with mounting plate, type **MP**.

Order example

■ **AEX-12, 100**

Explanation :

AEX-12 = Type of axle extension

100 = Length of axle extension



Mounting plates for servomotor type MP

Mounting plates for mounting a Belimo actuators on a circular control valve

- **MP-LM** for mounting actuators of type LM...A
- **MP-NM** for mounting actuators of type NM...A
- **MP-LF** for mounting actuators of type LF
- **MP-NF/SF** for mounting actuators of type NF...A or SF...A

Order example

- **MP, LM**

Explanation :

MP = Type of mounting plate

LM = Type of Belimo-motor used

