

MIN / MAX

Adjustable silent damper



Key figures

Connection:	100, 125, 160, 200, 250 & 315 (mm)
Airflow:	10 - 150 l/s
Pressure:	10 - 300 Pa
Sound level:	Always below 30 dB(A)
Engine:	24 V or 230 V

MinMax is found in MagiCADs database.

MINMAX is an extremely quiet boost damper for demand-based ventilation. The clever design means that no silencer is needed after the damper.

MINMAX is provided with a 24V or 230V's engine.

Function

MINMAX is used to force the airflow or minimize it as necessary. The unique and patented design makes the damper extremely quiet and no silencer is required for the damper.

MINMAX comes with default minimum flow of 20% of maximum flow. Changes to minimum flow are easily made on-site, without tools.

MINMAX is controlled by external control devices for temperature, CO2 or presence.

MINMAX is quieter and accumulates less dirt than a conventional damper.

Construction

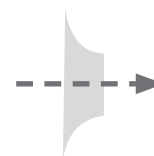
MINMAX has a solid construction made of galvanized sheet steel and is provided with an electric motor (24V or 230V). The motor is controlled by 24V control signal on / off.

The optimally designed nozzles provide an extremely quiet throttling and no silencer normally required after the damper.

Mounting

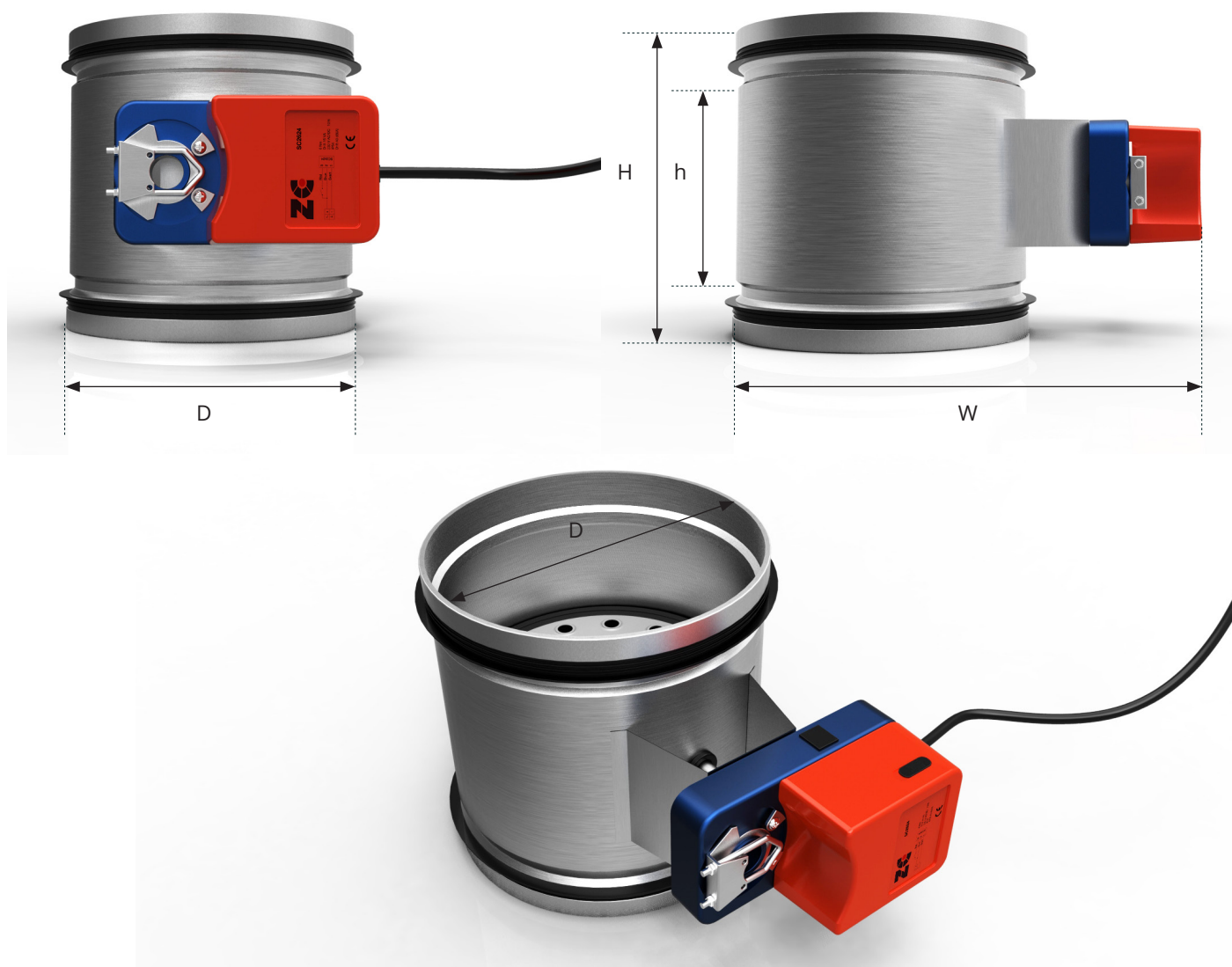
MINMAX for installation in standard duct (SS 2609). MINMAX can be mounted without straight section before and after damper.

Flow direction according to damper blade nozzles



Measure

Product name	Diameter (D)	Height (H)	Height (h)	Width (W)	Engine
○ MIN/MAX 100	100	183,5	109,5	185	SA2
○ MIN/MAX 125	125	183,5	109,5	210	SA2
○ MIN/MAX 160	160	183,5	109,5	242	SA2
○ MIN/MAX 200	200	183,5	109,5	282	SA2
○ MIN/MAX 250	250	183,5	109,5	332	SA2
○ MIN/MAX 315	315	183,5	109,5	397	SA2



Adjustments

MINMAX supplied with default minimum flow of 20% of maximum flow. The maximum flow is adjusted in the final product (supply air or similar). Changes to minimum flow can be made easily on-site, without tools.

Material

The damper is made of galvanized steel Z275 in corrosivity category C2. Seals in recyclable EPDM rubber. Approved for tightness class C & D.

Motor options and connections, *see separate documentation (Damper motor SC2 and SA2).*

Accessories

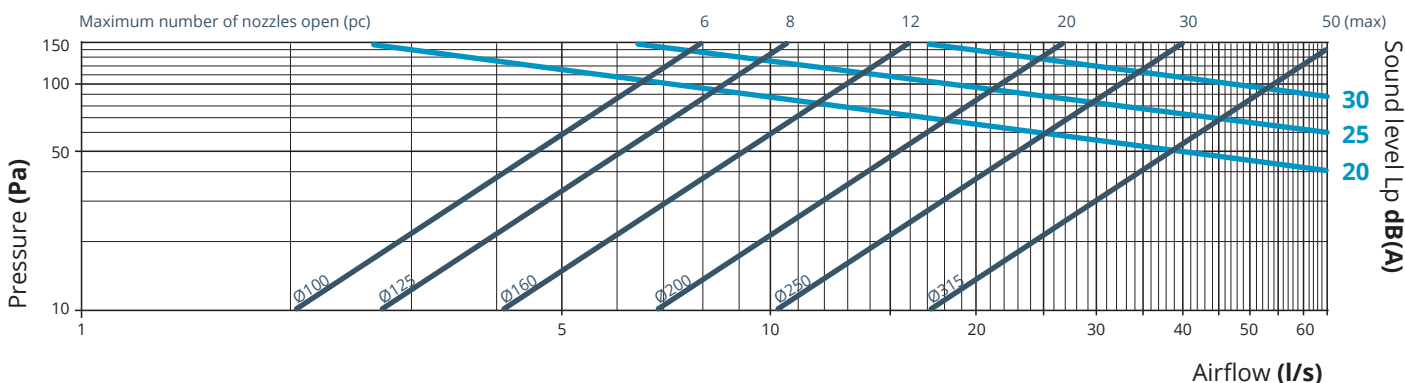
Control equipment that controls MINMAX for temperature, CO2 or presence. *See separate documentation.*

Dimensioning

When using InventiAir technology a considerably smaller amount of energy supplied to the room is needed, compared to a traditional mixing system. Contact your InventiAir representative for help with dimensioning.

Capacity- & adjustment chart (k-factor per nozzle is 0,1086)

Maximum air flow when damper is closed



Order number (example)

AMA-code: QJB.1

Product name	Engine (V)	Dimension (Ø)
○ MIN/MAX 125-230	230	125
○ MIN/MAX 160-24	24	160