

- Multi-leaf dampers, fins 100 mm
- Air tight, 100 mm blades



## Air tight multi-leaf dampers type JL 254

Air tight multi-leaf dampers in galvanized steel classified DIN EN 1751-4.

### Application

- For airstream regulation in ventilation and airconditioning systems

### Material

- Galvanized steel blades, frame, and round axle
- Air tight sealings between the blades and the gears
- Aluminium gears
- Airtight polyamid bearings max for temperature ranges upto 80°C

### Colour

- Galvanized steel

### Composition

- Galvanized steel aerodynamic designed regulation blades of 100 mm width containing aluminium gears for simultaneous counter-rotating operation of the damper
- Air tight sealings between the blades and the gears classified DIN EN 1751-4
- Galvanized steel axle of Ø 12 mm and length 100 mm, wich extends 67 mm outside the damperflanges. Axle with borehole at its end to easily mount axle extension LOA 100 M or LOA 150 M (upon request), when a longer axle is required.
- Galvanized steel housing with depth of 110 mm and flange of 30mm, made out of 2 vertical panels with air-tight polyamid bearings and 2 horizontal panels, all welded together
- All dampers are made to measure. To obtain the exact height of the damper when in-between sizes are ordered, the upper and lower frame will be bended towards or away from the middle of the damper(see drawing), to make a excellent fit with as much as possible standard fitted blades. Due to this fact the free area of the damper can become less than the opening of the LXH dimension.

### Mounting

- To be mounted between rectangular ducts with flanges of 30 mm
- To be surface mounted on wall, floor or ceiling

**Accessories**

- Manual control handle with fixing system type **MCS-250/254**
- Mounted axle extensions type **LOA 100 M, LOA 150 M**
- Extra axle available upon request
- Square axle end of 9 x 9 mm type **SQE**
- Actuators **BELIMO**
- Alternative bearings:
  - PTFE bearings for low and high temperature applications type **TBS** (from -50°C to 200°C) and pressures till 2000Pa
  - Brass bearings for high temperature applications type **MBS** (up to 250°C)
  - Ball bearings for high pressure applications type **BBS** (up to 80°C and 2500Pa)
- Air tight silicone sealings (for high temperature applications upto 250°C) **+10%**
- Horizontal mounted coupling system type **HVM**
- Alternative outer-mechanism (for high temperature applications) (Dimension D=140 mm instead of 110 mm)
  - Counter-rotating blades **(+20%)**
  - Parallel moving blades **(+20%)**
- Reinforced frames **(+5%)**
- Multi-leaf damper with vertical blades **(+15%)**
- Alternative construction materials
  - Aluminium **(x2.25)**
  - Stainless steel (INOX304) **(x3.75)**, (D=140 with outer linkage)
  - Stainless steel (INOX316) **(x4.3)**, (D=140 with outer linkage)
  - Aluminium blades with galvanized steel frame **(x1.75)**
- Version ATEX available upon request

**Text for tender**

- The multi-leaf volume control dampers shall be of the air tight type classified DIN EN 1751-4 in galvanized steel with counter-rotating blades, aluminium gears, round axle and polyamid bearings.
- ATC Type **JL 254**

**Order example**

- **JL 254, 600, 400, C30 + MCS-250/254**

Explanation

**JL 254** = Type of air-tight multi-leaf damper

**600** = Length

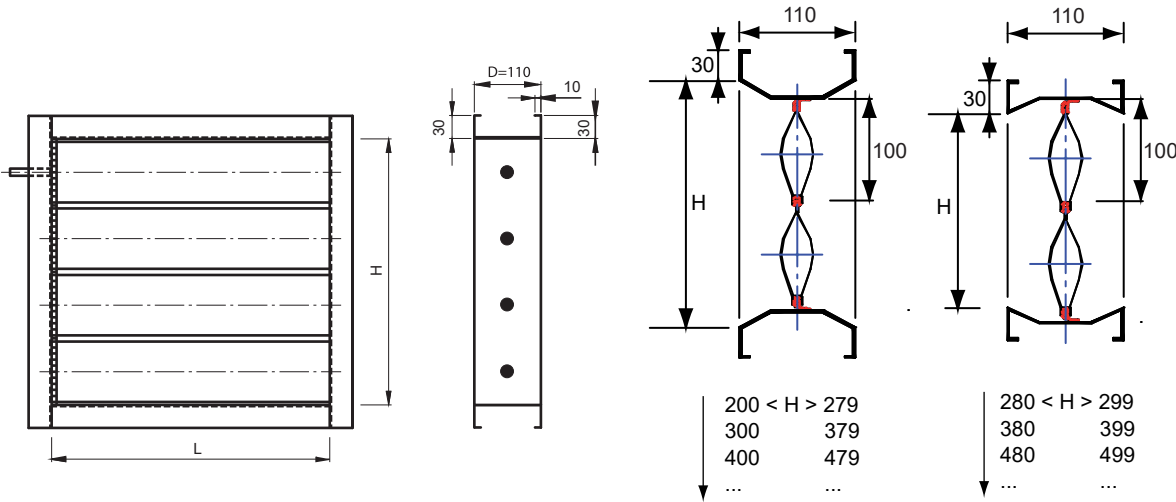
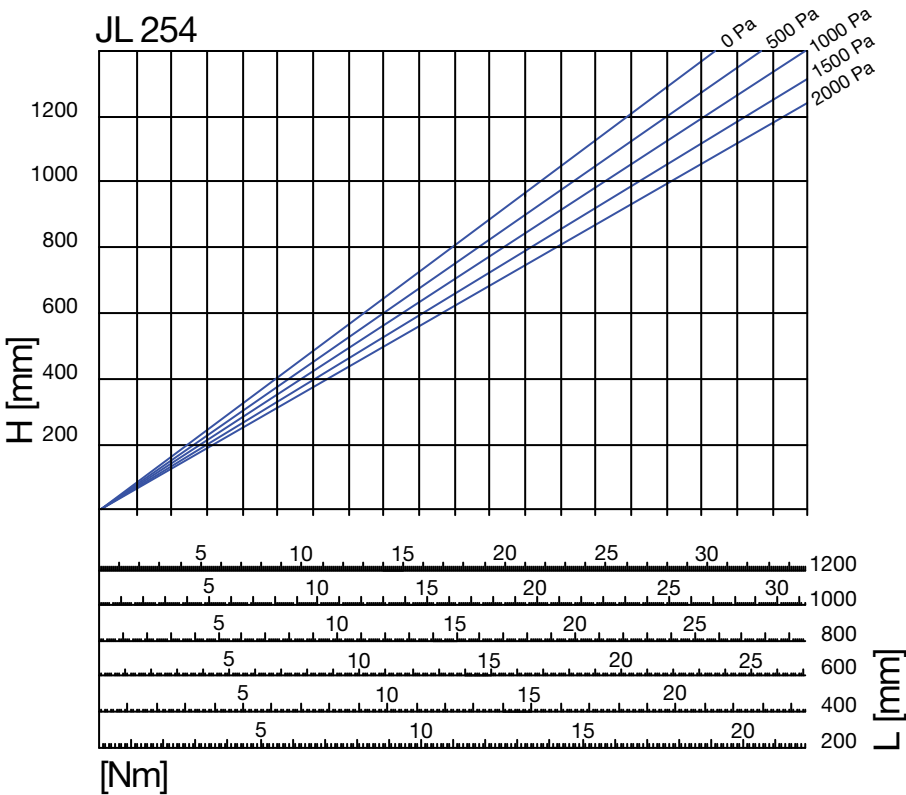
**400** = Height

**C30** = connection flange

Accessories (Optional)

**MCS-250/254** = Manual control with fixing system

Torque



D = 140 mm for outdoor mechanism