

DVA

Variable Volume Flow Rate Controller

Description

The DVA (Variable Air Volume) units are designed for regulating the air flow at a fixed or within set maximum and minimum limits. They are used for supply and extract systems.

Properties

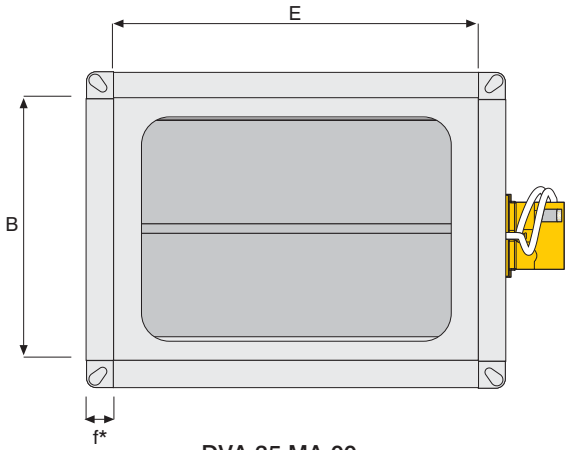
DVA units are manufactured as rectangular cross-sections. They are composed of a volume damper, a damper motor and a flow sensing unit which is incorporated within the motor housing. The complete unit is shipped as calibrated in the factory, to the required values.

Materials

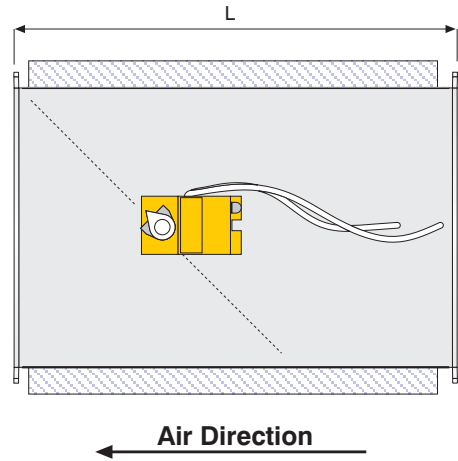
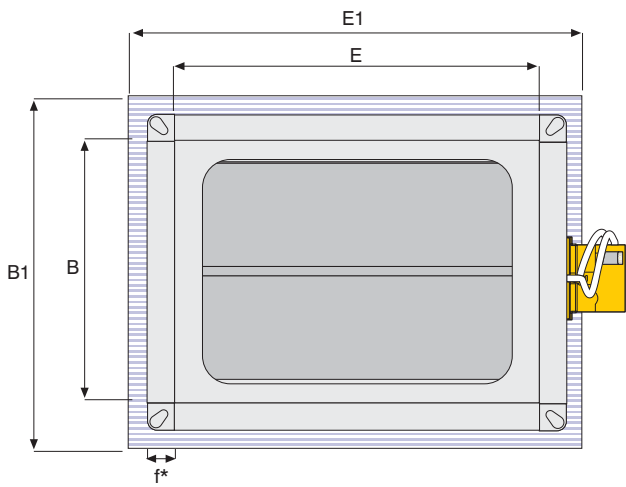
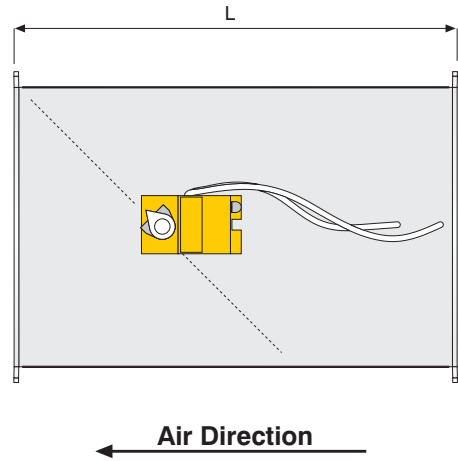
The casing is manufactured of galvanized steel sheet. There are flanges and corner pieces at both ends of the casing, suitable for installation with norm duct flanges. The damper blade has a peripheral felt gasket to provide good isolation.

The thermal insulation is made of 50 mm thick glasswool and covered by galvanized steel sheets.

Dimensions



DVA.35.MA.00



Standard Dimensions

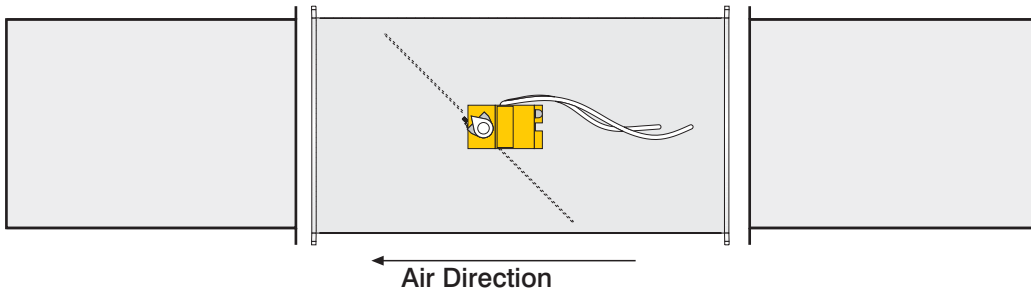
E x B (mm)	L (mm)	Flow Rate (m ³ /h)	E ₁ x B ₁ (mm)
300 x 200	450	430 - 1300	400 x 300
420 x 200	450	600 - 1800	520 x 300
400 x 250	550	850 - 2250	500 x 350
560 x 300	550	1200 - 3600	660 x 400
680 x 350	650	1700 - 5100	780 x 450
820 x 400	650	2400 - 7200	920 x 500

Flange

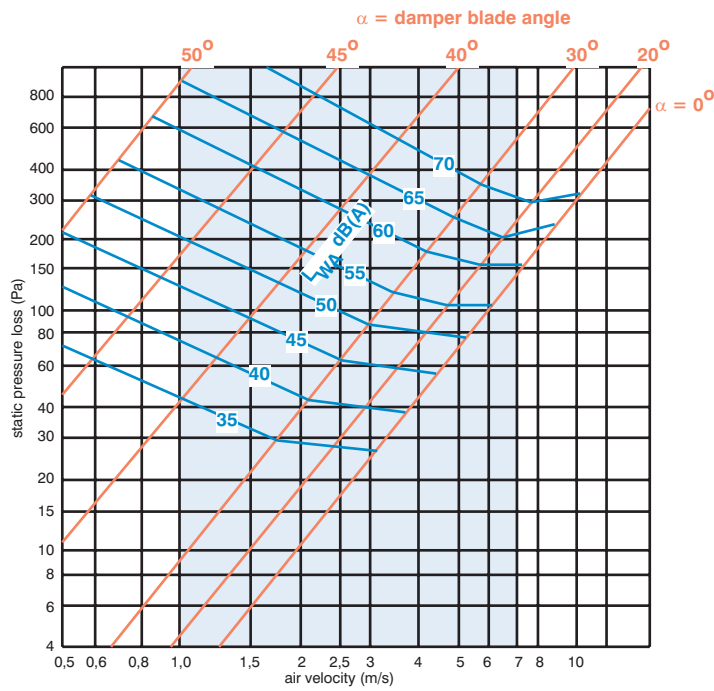
f (mm)
30
35

Installation

Duct Installation



Technical Data



Technical Specification

Variable air volume unit, designed for usage in supply and extract systems. The unit will be of rectangular cross-section and made of galvanized steel sheets. The unit will be suitable for use up to 1000 Pa duct pressures, and be manufactured in various sizes to serve within a flow rate range of 430 – 7200 m³/h; and be calibrated in the factory, to the required values, before shipment. The blade will have a peripheral felt gasket to provide good isolation. The unit will have flanges and

corner pieces at both ends of the casing, suitable for installation with norm duct flanges.

Optionally, a thermal insulation, made of 50 mm thick glasswool and covered by 1 mm thick galvanized steel sheet will be cladded around the unit.

Order Code

Model	DVA.30.MA.00		300 x 200
Frame	30 mm 35 mm		ExB (mm) Refer to Page 3
Motor	MA .With motor		
Insulation	00...Without Insulation 01...With Insulation		Standard Dimensions

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