



# DVLF EXHAUST AIR VALVE

AIR MANAGEMENT SYSTEMS

## PRODUCT PROPERTIES

Exhaust air terminal device **DVLF** is a circular disc valve with a valve cone of aerodynamic design. This valve possesses excellent characteristics with regard to noise level, pressure drop and air flow capacity. The design of the sound absorbent reduces the risk of cross-talk noise. The device, which is designed for wall-mounting or, alternatively, for ceiling-mounting, is available in five sizes to suit duct connections with a diameter between 80 mm and 200 mm

The design of the valve in conjunction with a foam packing prevents dirtying of the ceiling and walls.

## Material and surface finish

The device is made of polypropylene plastic which is recyclable and withstands temperatures up to 100°C.

The materials used in the device are also resistant to most chemicals in small concentrations.

The device is supplied in white RAL9002 as standard.

## Care

The device can be cleaned with a cloth moistened with a mild synthetic cleaning or washing agent.

## Adjustment

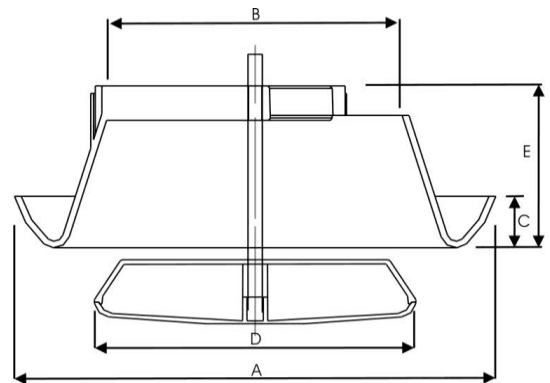
The cone is screwed out by the number of revolutions necessary to provide the orifice opening in mm corresponding to the pressure drop and the desired air flow according to the graph. The pressure drop is checked by introducing a suitable measurement probe into the front behind the valve cone.



$a = 0 \pm \text{mm}$

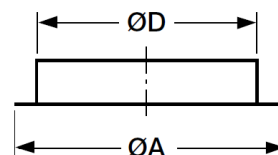
$n = \text{revolutions}$

## DIMENSIONS in mm



| DVLF       | A   | B   | C  | D   | E  |
|------------|-----|-----|----|-----|----|
| <b>080</b> | 118 | 46  | 20 | 60  | 60 |
| <b>100</b> | 140 | 69  | 20 | 80  | 60 |
| <b>125</b> | 165 | 92  | 20 | 104 | 60 |
| <b>150</b> | 191 | 118 | 20 | 130 | 62 |
| <b>160</b> | 200 | 126 | 20 | 138 | 62 |
| <b>200</b> | 242 | 170 | 20 | 177 | 65 |

**DVLZ** Galvanized steel sheet mounting frames, are available as an accessory.



| SIZE           | A   | D   | Hole size |
|----------------|-----|-----|-----------|
| <b>DVLZ080</b> | 107 | 80  | Ø 90      |
| <b>DVLZ100</b> | 127 | 100 | Ø 110     |
| <b>DVLZ125</b> | 152 | 125 | Ø 135     |
| <b>DVLZ150</b> | 177 | 150 | Ø 160     |
| <b>DVLZ160</b> | 187 | 160 | Ø 170     |
| <b>DVLZ200</b> | 227 | 200 | Ø 210     |

## LIABILITY:

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## PLEASE NOTICE:

The consultant is responsible for the actual installation and mounting of the product. The mentioned values with respect to temperatures are not appropriate to be used to determine the physical properties. These properties are also dependent on humidity and the temperature of the air inside and outside of the H.V.A.C. system.

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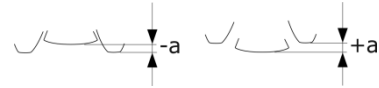




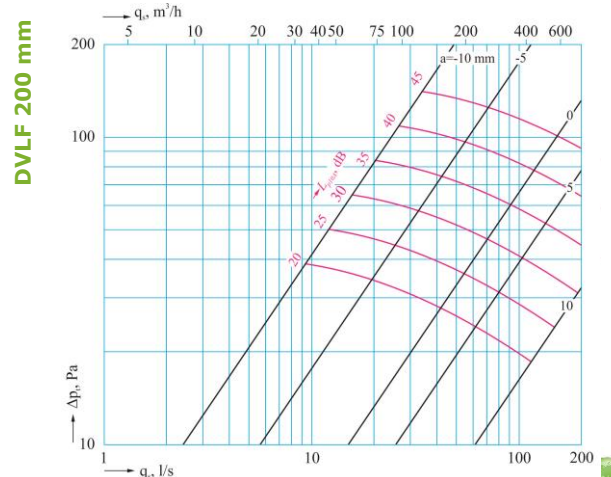
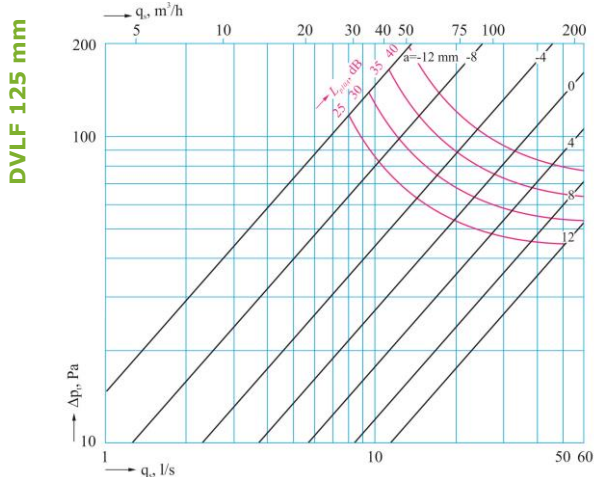
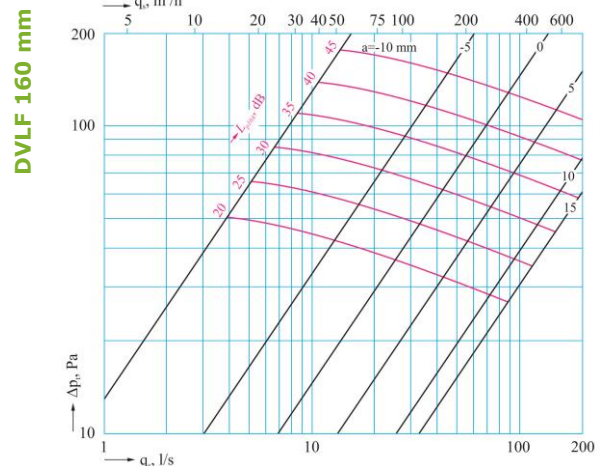
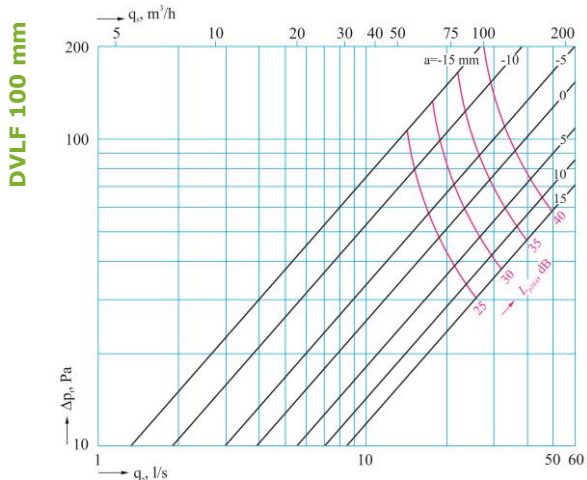
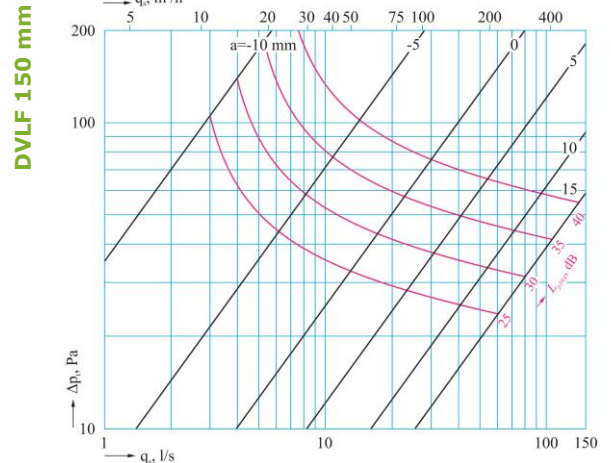
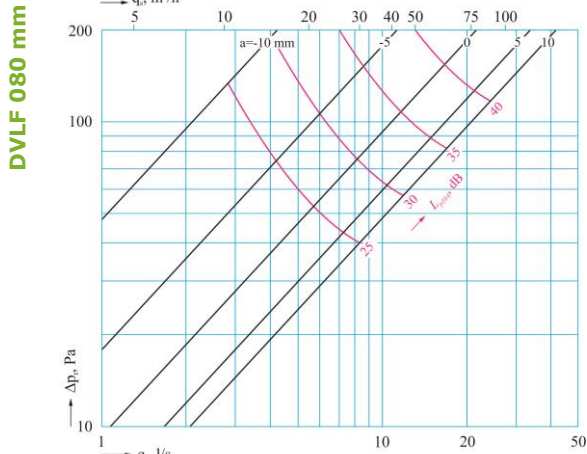
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$a = 0 \pm \text{mm}$



**Air flow, pressure drop, sound data**



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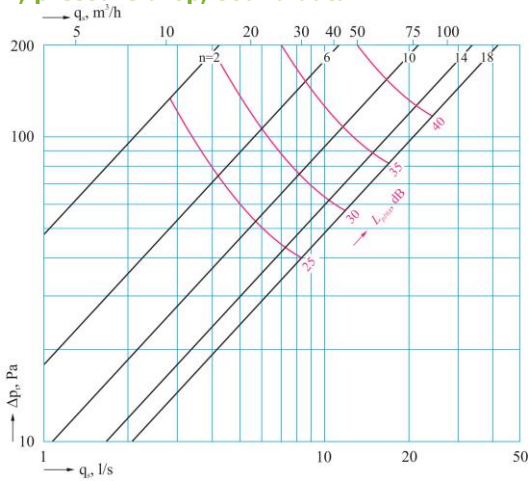
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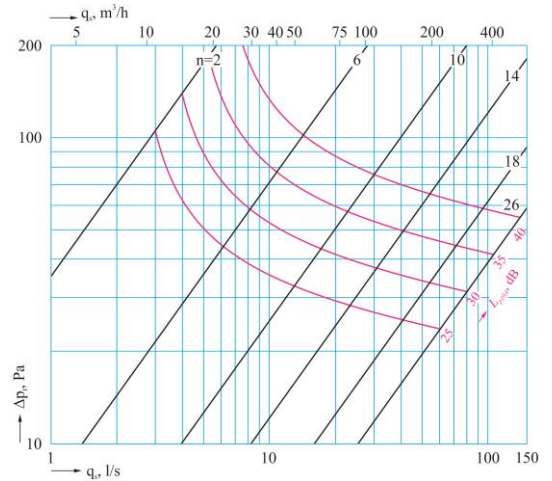
n=revolutions

**Air flow, pressure drop, sound data**

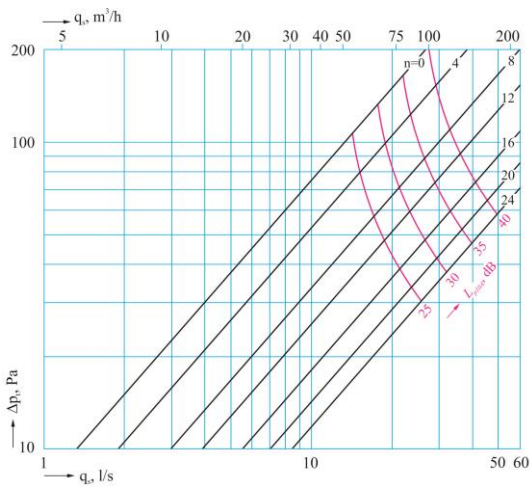
**DVLF 080 mm**



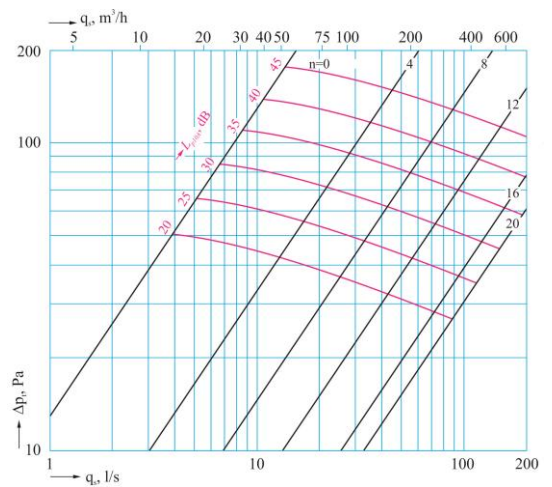
**DVLF 150 mm**



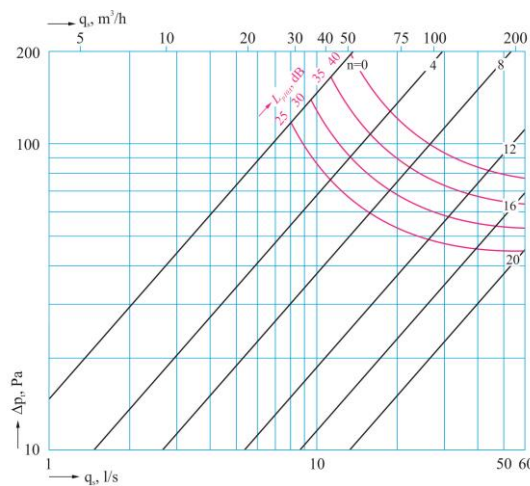
**DVLF 100 mm**



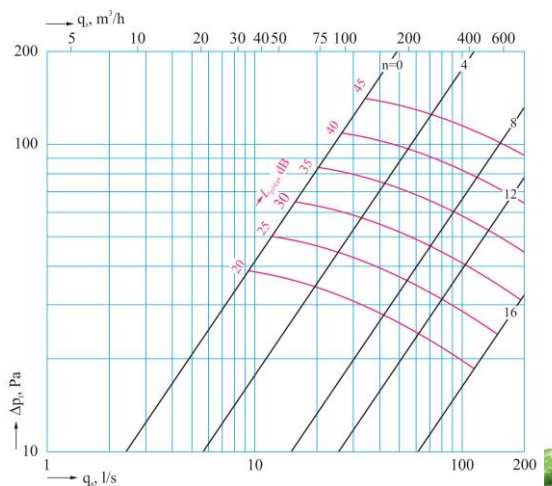
**DVLF 160 mm**



**DVLF 125 mm**



**DVLF 200 mm**



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