

Round plenum box with air flow rate control



Better tightness, good appearance



- improved tightness of the plenum box in comparison to the square plenum box
- the possibility of installing a new type of volume control damper with air flow rate measurement and adjustment
- lower pressure drop
- nicer appearance if installed visibly

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The advantages of the volume control damper for air flow rate adjustment:

- The volume control damper can be adjusted by turning the wire rope with the diffuser already installed on the plenum box,
- The shift of the volume control damper is transversal rather than rotational, which causes lower air turbulence and, consequentially, lower pressure drops and noise,
- It also enables the measurement of the air flow rate and its adjustment with the diffuser installed on the plenum box,
- The measurement of the air flow rate is performed simply by connecting the measuring tubes to the manometer, while the air flow rate through the diffuser is calculated simply from the difference in pressures (Dp) using the equation inscribed on the measurement tube's identification plate.



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