

VOLUMETRIC FLOW CONTROLLERS

For ventilation of chemical process air



 **beck**
be efficient. be beck.

You may also be interested in:

- ▶ Constant volumetric flow controller
- ▶ Volumetric flow sensor



Reduced assembly costs

thanks to perfectly fitting sockets or installation with a plug-in system

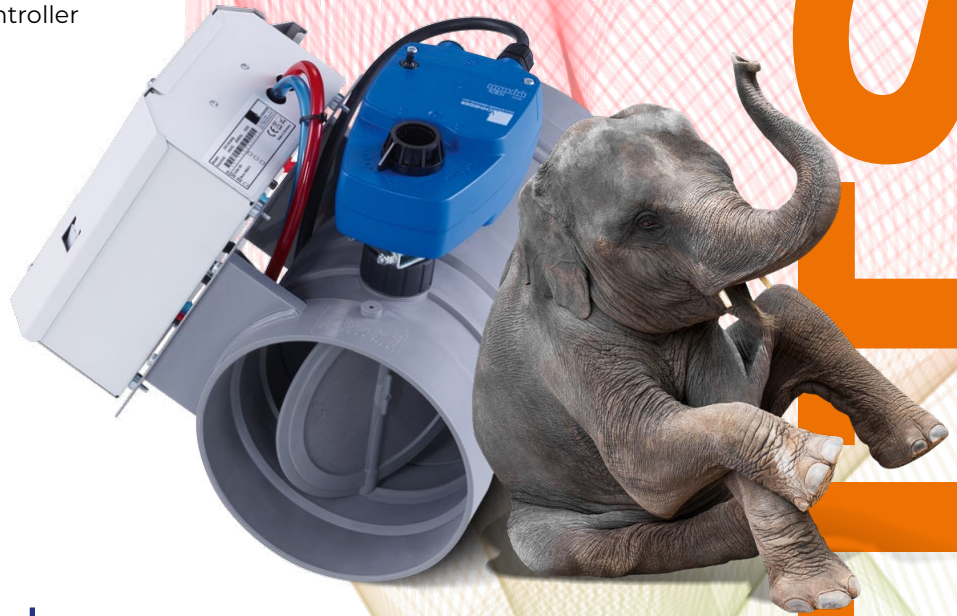
Save up to

30 %

on energy costs thanks to flow-optimized moldings



Reliability and **safety** thanks to high-quality ventilation of aggressive process media



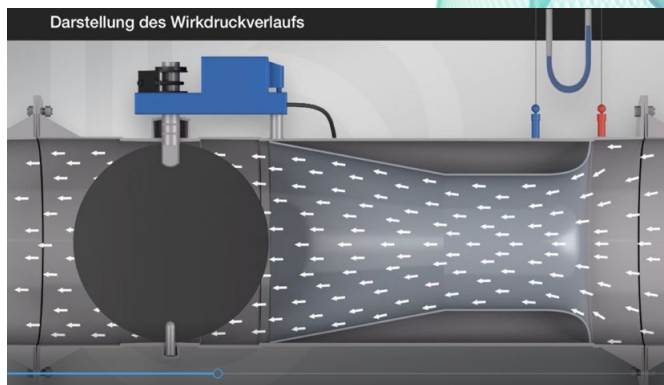
✔ **Low pressure loss**

✔ **Determination of differential pressure using high-precision Venturi tube**

✔ **Tight-sealing volumetric flow controller in accordance with DIN EN 1751 for full shutoff**

✔ **No need to clean the Venturi tube; maintenance-free construction**

✔ **High control precision depending on the make of controller; adjustment at measuring point**



Application Effect



- **Control and stabilization** of volume flows in air-conditioning systems

beck volumetric flow controllers with a round construction are used for the reliable control of volume flows in air-conditioning systems. Thanks to the use of thermoplastics, beck volumetric flow controllers are particularly suitable for controlling chemically contaminated process air. The precision-made Venturi tube is the centerpiece of the volumetric flow controllers and is used to accurately determine the differential pressure. Depending on the make of the controller, the control precision is $\pm 5\%$. The volumetric flow controllers are available in sizes from $\varnothing 110$ to $\varnothing 500$. The tight-sealing variants – suitable for the full shutoff of digestories or cable strands – are available in the sizes DN 110, 160, 200, 250, and 315.

The housing, shafts, and damper blades are made of the chemically resistant thermoplastic materials PVC, PVC-UV, PP, PPs, PPs-el, PE, and PVDF. In the tight-sealing design in accordance with DIN EN 1751 (PVC, PVC-UV, PP, PPs, PPs-el), a molded-on sealing lip made of a chemically resistant elastic material ensures that the damper blade seals against the housing. This construction is only produced in the flange design because of the annular rigidity.



Product range Design Variants Portfolio

Variants



Long version

Long-version Beck volumetric flow controllers are used for the control of pipeline systems. Here, the installation length is not the decisive factor. Available in sizes of DN 110 to 500; tight-sealing in accordance with DIN EN 1751-4 in the nominal sizes DN 110, 160, 200, 250, and 315.



Short version

Short-version Beck volumetric flow controllers are specially designed for use in laboratory applications and small installation spaces. As with the long version, a tight-sealing variant in accordance with DIN EN 1751-4 is available in the nominal sizes DN 110, 160, 200, 250, and 315.



Ultrashort version

Ultrashort-version Beck volumetric flow controllers are particularly suited to installation in false ceilings in laboratories and combine accuracy with an extremely short construction. The damper blade of the volumetric flow controller is located in the diffuser section of the Venturi tube. This paves the way for its extremely short length, extremely accurate determination of differential pressure, and fast control times. Available in the nominal sizes DN 200 and 500 but not as a tight-sealing variant.

Volumetric flow controller family

The volumetric flow controller family comprises volumetric flow controllers with control units, constant volumetric flow controllers with a factory-set volume flow, and volume flowmeters. Volume flowmeters can be used for the precise measurement and analysis of volume flows in every section of the pipeline. The entire product range is available with a **socket** or **flange connection**. Control units for volumetric flow controllers are adjusted exclusively by our trained personnel – according to your specified adjustment parameters.



"Contact me if you have any questions."

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Product range, variants and prices can be found in our price list.



PRICE LIST



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