

# Discharger for fine and coarse dosing.

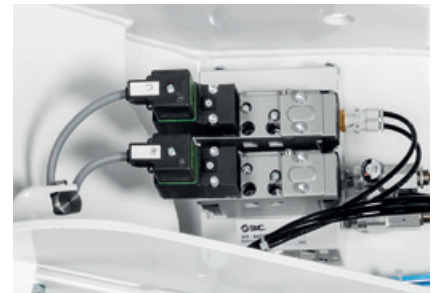
Vane-type discharger DMBV.



This vane-type discharger enables various bulk materials to be discharged at a controlled rate in either fine or coarse dosing mode.



Conveying of the bulk material by vanes to the proportioning unit.



Infinite control and continuous proportioning.

**This vane-type discharger has been especially developed for the defined discharge of bulk materials from bins and hoppers. Its smart design allows it to be used for handling simple materials up to products, which are difficult to discharge and tend to bridge.**

The material to be discharged is caught by the vane and moved to the radial outlet. This ensures a continuous volumetric flow rate. The proportioning unit thus prevents unintended discharge of the material. In addition, the pneumatic actuator of the slide gate improves the discharger's operating reliability. The rugged design ensures a long service life.

## **Continuous proportioning**

In order to satisfy the most stringent customer needs, the

efficiency, reliability, and economy of this newest-generation Bühler vane-type discharger has been further improved. The proportioning rate can be controlled infinitely (continuously) with high accuracy through an angle sensor, allowing discharge in fine as well as in coarse dosing mode.

### **Benefits:**

- Angle sensor for continuous feed rate
- Pneumatic actuator for proportioning
- Up to three outlet points are possible
- Suitable vanes available for handling different materials
- Dimensions according to the predecessor model

# Universal application. For economic discharge.

## Reliable performance

Outlet problems when handling hard-to-discharge bulk materials are eliminated by appropriate add-on combinations on the vanes. For free-flowing materials, an optional cover with a sweep prevents uncontrolled material flow. An agitator can be incorporated to break up bridges formed by hygroscopic materials (e.g. powdered milk).

## Flexible application

The vane-type discharger can be used as an isolated component or as part of a complete solution, for example in connection with

- material feed to scales
- filling of Big-Bags
- material feed to surge (buffer) hoppers ahead of various processes

## Dimensions and technical data of the vane-type discharger:

Model	A (mm)	B (mm)	C (mm)	D (mm)	Number of outlets	Drive (kW)	Net weight (kg)	Throughput (m <sup>3</sup> /h)
DMBV-450/200-1	775	540	800	212	1	1.5/2.2/3	100	up to 25
DMBV-450/200-2	1010	540	800	212	2	1.5/2.2/3	110	
DMBV-600/400-1	955	720	800	212	1	2.2/3	120	up to 100
DMBV-600/400-2	1190	720	800	212	2	2.2/3	135	
DMBV-600/400-3	1359	1190	800	212	3	2.2/3	150	
DMBV-1000/400-1	1370	1140	1070	260	1	5.5/7.5	150	up to 180
DMBV-1000/400-2	1600	1140	1070	260	2	5.5/7.5	170	
DMBV-1000/400-3	1747	1526	1070	260	3	5.5/7.5	190	

