



## DV 85-3 DOSING VALVE WITH MCD MIXING CRUMBLING DEVICE OPTION

Mixing crumbling device option in combination with DV 85-3 dosing valve for the dosing of products with a chunky texture and a loose, fluffy appearance.



This dosing solution offers the automatic dosing, loosening and crumbling of chunky and granular products, while saving valuable resources. Compared to manual depositing and filling, both material input and manpower required can be significantly reduced. The product always appears loose and “like filled by hand”. Integration into packaging systems and transport conveyors is possible.

### ADVANTAGES

- > Gentle loosening and crumbling of products
- > Increased level of automation to save valuable resources
- > Precise and weight-accurate dosing of a wide range of product consistencies
- > High dosing capacity of up to 40 portions per minute
- > Space-saving, flexible, and low-cost when compared to fully automated multi-head scales systems

### FOR THE MOST DIVERSE PRODUCT CONSISTENCIES

The dosing solution comprising vacuum filler, DV 85-3 dosing valve, and MCD mixing crumbling device, ensures the particularly accurate portioning of inhomogeneous, chunky, difficult to pump, or granular products, and offers the additional cutting function for fibrous or chunky products. The MCD mixing crumbling device, for example, is the perfect system extension for the additional gentle loosening, fluffing, and crumbling of the portions directly into the packaging. It is easy to adapt and can be combined with all DV 85-3 dosing valves and VF types from PCK4 control. Thanks to its innovative and patented design, CE-compliant and intrinsically safe operation is possible without additional safety housing.

### INCREASED LEVEL OF AUTOMATION TO SAVE VALUABLE RESOURCES

The dosing solution is easy to integrate into packaging systems and transport conveyors. This solution for product dosing, loosening, fluffing, and crumbling increases the level of automation and saves valuable resources, as both the material input and the manpower required can be significantly reduced compared to a manual loading and filling process.



#### BASIC EQUIPMENT

- > MCD mixing crumbling device
- > Mixer housing + union nut
- > Mixer + mixer shaft
- > Pneumatic motor + adapter + union nut
- > Pneumatic hoses, including throttle check valve

#### TECHNICAL DATA

Lanes	1-lane
Output	Up to 40 cycles/min.
Outlet size	Width: 74 mm Length: 50 mm
Temperature of filling material	Up to 90°C
Technical prerequisites of the vacuum filling machine	PCK4 internal pneumatics X81 or external pneumatics EV 718
Operating air pressure	6 bar
Control	Pneumatic actuation
Compressed air connection	6-8 bar