

## VIBRATORY FEEDER DR 100



The vibratory feeder DR 100 is used for the **uniform, continuous feeding and conveyance** of pourable bulk materials and fine powders. The DR 100 feeds RETSCH mills, sample dividers, and particle measuring devices, and it is also suitable for other feeding tasks. Its performance, adaptability and compact design makes this device suitable for a **great variety of applications**. The DR 100 can also be **driven and controlled externally** via the built-in interface. RETSCH vibratory feeders guarantee **reproducibly exact results** and maximize the efficiency of downstream laboratory and testing devices.

### APPLICATION EXAMPLES

cement clinker, chemicals, coffee, construction materials, fertilizers, fillers, flours, grains, metals powders, minerals, nuts, plastics, sand, seeds, soils, washing powder, ...

### PRODUCT ADVANTAGES

- | strong drive for even material feed
- | material bed level and volume flow are adjustable
- | digital speed setting
- | optional control via interface
- | digital time setting
- | compact control and feed unit
- | easy cleaning of the push-fit chute
- | wide range of accessories including various chutes

## FEATURES

<b>Applications</b>	feeding, conveying
<b>Field of application</b>	agriculture, biology, chemistry / plastics, construction materials, engineering / electronics, environment / recycling, food, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals
<b>Feed material</b>	pourable bulk materials
<b>Material feed size*</b>	< 2 mm (15 mm chute) < 6 mm (40 mm chute) < 12 mm (75 mm chute)
<b>Volume flow</b>	
<b>Time setting</b>	digital, 1 - 99 min / continuous operation
<b>Speed setting</b>	digital, 1 - 99 / 0 - 5 l/min, stufenlos einstellbar
<b>Chute width</b>	15 mm / 40 mm / 75 mm / 75/40 mm
<b>Chute length</b>	210 mm
<b>Hopper volume</b>	2.8 l (15 mm chute) 2.8 l (40 mm chute) 3.5 l (75 mm chute) 3.5 l (75/40 mm chute)
<b>Electrical supply data</b>	different voltages
<b>Power connection</b>	1-phase
<b>W x H x D</b>	260 x 420 x 280 mm
<b>Net weight</b>	~ 10 kg
<b>Standards</b>	CE

\*depending on feed material and instrument configuration/settings

## FUNCTIONAL PRINCIPLE

The feed material passes through the hopper onto the conveying chute. This is made to vibrate at 50 (or 60) Hz by an electromagnetic charging vibrator. The volume flow can be infinitely adjusted. The layer height on the hopper can be adjusted in accordance with the product and need. The DR 100 can be driven externally via an interface; for example, the volume flow can be adjusted automatically to the grinding capacity of the Retsch ZM 200 Ultra Centrifugal Mill. The compact, no-maintenance design means that the vibratory feeders can be integrated simply into many devices or laboratory installations.



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