



## Vibratory Feeder DR 100

### General Information

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

Applications	feeding, conveying
Field of application	agriculture, biology, chemistry / plastics, construction materials, engineering / electronics, environment / recycling, food, geology / metallurgy, glass / ceramics, medicine / pharmaceuticals
Feed material	pourable bulk materials
Material feed size*	< 2 mm (15 mm chute) < 6 mm (40 mm chute) < 12 mm (75 mm chute)
Volume flow	
Time setting	digital, 1 - 99 min / continuous operation
Speed setting	digital, 1 - 99 / 0 - 5 l/min, infinitely adjustable
Chute width	15 mm / 40 mm / 75 mm / 75/40 mm



## Vibratory Feeder DR 100

Chute length	210 mm
Hopper volume	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)
Electrical supply data	different voltages
Power connection	1-phase
W x H x D	260 x 420 x 280 mm
Net weight	~ 10 kg
Standards	CE

**Please note:**

\*depending on feed material and instrument configuration/settings

## Function 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.

## Order data

### Vibratory Feeder DR 100

**DR 100-75/40 complete unit, incl. feeding kit (push-fit feed chute 75/40 mm, holder for push-fit feed chute, hopper 3.5 litres and fixture for hopper) (for use with PT 100 please order stand with data cable separately)**

70.938.1001	DR 100-75/40 complete unit, 220-240 V, 50 Hz
70.938.1002	DR 100-75/40 complete unit, 110-120 V, 60 Hz
42.742.0011	Stand with data cable for vibratory feeder DR 100 on PT 100

**DR 100-75 complete unit, incl. feeding kit (push-fit feed chute 75 mm, holder for push-fit feed chute, hopper 3.5 litres and fixture for hopper) (for use with PT 200 please order data cable separately)**

70.938.2001	DR 100-75 complete unit, 220-240 V, 50 Hz
70.938.2002	DR 100-75 complete unit, 110-120 V, 60 Hz
02.746.0035	Data cable for DR 100 on PT 200

**DR 100 drive unit (please order feeding kit separately)**

70.938.0001	DR 100 drive unit, 220-240 V, 50 Hz
70.938.0002	DR 100 drive unit, 110-120 V, 60 Hz

### Feeding kits DR 100



## Vibratory Feeder DR 100

72.020.0009	Feeding kit, (push-fit feed chute 15 mm, holder, hopper 2.8 litres and fixture)
72.020.0010	Feeding kit, (push-fit feed chute 40 mm, holder, hopper 2.8 litres and fixture)
72.020.0011	Feeding kit, (push-fit feed chute 75 mm, holder, hopper 3.5 litres and fixture)
72.020.0012	Feeding kit, (push-fit feed chute 75/40 mm, holder, hopper 3.5 litres and fixture)

### Push-fit chutes DR 100, length 210 mm

03.729.0035	Push-fit feed chute, stainless steel, width 15 mm, for holder 15/40
03.729.0036	Push-fit feed chute, stainless steel, width 40 mm, for holder 15/40
03.729.0037	Push-fit feed chute, stainless steel, width 75 mm, for holder 75
03.729.0040	Push-fit feed chute, stainless steel, width 75/40 mm, for holder 75
03.729.0039	Push-fit feed chute, stainless steel, V-shape, for holder 15/40

### Holders for push-fit chutes DR 100

03.018.0007	Holder 15/40, for push-fit feed chute 15 mm, 40 mm and V-shape
03.018.0008	Holder 75, for push-fit feed chute 75 mm

### Hoppers DR 100

03.785.0146	Feed hopper, 2.8 litres, stainless steel, for chutes 15 and 40 mm
02.785.0019	Feed hopper, 3.5 litres, stainless steel, for chutes 75 and 75/40 mm
03.785.0151	Feed hopper, 0.4 litres, stainless steel, for chutes 15 and 40 mm
03.785.0159	Feed hopper, 2.8 litres, stainless steel, for V-chute

### Fixtures for hoppers DR 100

02.266.0259	Fixture for hopper 0.4 litres and 2.8 litres
02.266.0260	Fixture for hopper 3.5 litres

## Vibratory Feeder DR 100 for ZM 200



## Vibratory Feeder DR 100

**DR 100 complete unit, incl. feeding kit (push-fit feed chute 75/40 mm, length 250 mm, holder for push-fit feed chute, hopper 3.5 litres and fixture for hopper), stand with data cable**

22.936.1001

DR 100, 220-240 V, 50 Hz

### DR 100, 110-120 V, 60 Hz

72.020.0015

Accessories for vibratory feeder DR 100 for ZM 200

Feeding kit (push-fit feed chute 75/40 mm, length 250 mm, holder, hopper 3.5 litres and fixture)

72.020.0016

Feeding kit (push-fit feed chute V-shape, length 250 mm, holder, hopper 2.8 litres for V-chute and fixture)

03.729.0054

Push-fit feed chute of stainless steel, width 40 mm, length 250 mm

03.729.0056

Push-fit feed chute of stainless steel, width 75/40 mm, length 250 mm

03.729.0055

Push-fit feed chute of stainless steel, V-shape, width 40 mm, length 270 mm

For holder for push-fit feed chute, hopper and fixture for hopper please see above

## Vibratory Feeder DR 100

**DR 100 complete unit, incl. feeding kit (push-fit feed chute 75 mm, holder for push-fit feed chute, hopper 3.5 litres, holder for hopper) and fixture**

70.938.2003

DR 100, 220-240 V, 50 Hz

70.938.2004

DR 100, 220-240 V, 60 Hz

70.938.2005

DR 100, 200 V, 60 Hz