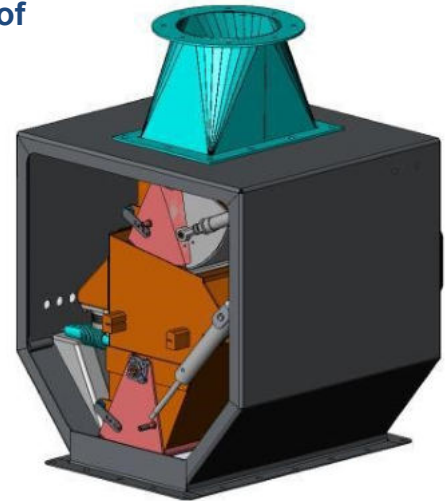


▶ JesHopper

- **Throughput weigher for intake-out loading of fine-grained bulk materials**
- **Measurement accuracy < +/- 0.1 %**
- **Also for legal-for-trade applications**
- **Ideal for goods receiving and loading**
- **Dust-proof frame construction**
- **High flow capacity**
- **For capacities from 12 to 900 m³/h**
- **ATEX optional**



DESCRIPTION:

The JesHopper by Jesma are throughput weighers for intake-out loading of fine-grained bulk materials like powders, flours, granulates, and grains. The scales achieve high flow capacities and an excellent measurement accuracy.

The JesHopper consists of a pre-hopper and a weighing hopper placed upon 2 or 3 load cells. Both hoppers are equipped with a pneumatically operated flap section and integrated into a dust-proof frame construction. An aspiration unit ensures fast aeration and ventilation. Removable covers with rubber seals on the scale frame guarantee easy access to the mechanical components and facilitate maintenance and servicing work.

The control unit either records the total weight (goods receiving mode) or doses an exact predefined weight (loading mode). It also precisely controls filling and emptying processes.

The JesHopper achieves very precise measurement results with a measurement accuracy according to accuracy class 0.5 or 0.2 respectively (SWT according to OIML R 107 for legal-for-trade applications).

The throughput weigher of JesHopper series are thus particularly suitable for receiving and loading bulk materials.

JesHoppers are available in nine versions with capacities of up to 900 m³/h at about 400 weighing cycles per hour.

FUNCTIONING:

The bulk material is fed into the JesHopper through a conveyor unit, such as a bucket elevator. When the pre-hopper is open, the weigh hopper is filled until a set quantity is reached. The flaps of the weighing hopper are closed while the bulk material continues to flow into the pre-hopper. The weighing hopper is now statically weighed and the weighing result is recorded in the memory. Subsequently, the weighing hopper is quickly emptied. Thereafter, the pre-hopper can be reopened and the weighing hopper can be refilled. The cycle is repeated. Up to 400 weighing cycles are performed per hour.

Filling and emptying processes as well as the load cell signals are controlled and evaluated by an efficient control unit with specifically designed software.

The display of the control unit shows the current cumulative weight value, throughputs, and target values as well as additional information regarding the scale.

The control unit provides:

- the maximum throughput capacity due to fast processing of measured values
- precise dosing according to set values with rate action optimisation and tolerance control
- high operational reliability due to extensive monitoring functions and easy operation
- registration of all order data.

TECHNICAL DATA:

Throughput weigher JesHopper

Type JesHopper	Max. capacity	Volume of pre-hopper	Volume of weighing hopper	Air Consumption at 7 bar	Suction	Installation dimensions (LxWxH in mm*)
30	12 m³/h	15 l	30 l	5 l/min	4-5 m³/min	680 x 400 x 870
70	18 m³/h	22 l	90 l	5 l/min	5-6 m³/min	880 x 880 x 970
150	30 m³/h	50 l	220 l	10 l/min	5-6 m³/min	950 x 950 x 1400
250	75 m³/h	100 l	350 l	10 l/min	5-6 m³/min	1070 x 1070 x 1670
500	115 m³/h	400 l	700 l	20 l/min	6-7 m³/min	1310 x 1310 x 2700
1000	185 m³/h	800 l	1400 l	20 l/min	10-15 m³/min	1510 x 1510 x 3550
1500	320 m³/h	1000 l	2000 l	20 l/min	10-15 m³/min	1510 x 2010 x 3500
2500	600 m³/h	2100 l	4000 l	60 l/min	30-40 m³/min	2000 x 2000 x 4530
3000	900 m³/h	4000 l	6500 l	60 l/min	30-40 m³/min	2360 x 2650 x 4480

Special sizes upon request.

*excl. after bin

Construction of scale:

Pre-hopper and weighing hopper with pneumatic flap section and inductive limit switches, weighing hopper on 2 to 3 strain gauge load cells, dust-proof frame construction with inspection flaps and rubber seals

Design:

painted steel RAL 1013 or upon request, optionally stainless steel AISI 304 (1.4301)

Protection:

IP 65

Load cells:

2 or 3 pieces in OIML quality; C3, C4, or C6 class

Compressed air:

class 2:4:4 according to ISO 8573-1

Scale control system:

IT8000 BULK for JesHopper

Display:

Multi-line colour display 5.7" (320 x 240 pixels) with keyboard

Data memory:

For 120,000 weighing processes

Data communication (opt.):

Serial interface:

1x optionally RS 232 or RS 485 or 20 mA CL

Analogue output:

2x optionally 0-20 mA, 0-10 V, or 4-20 mA

Ethernet interface:

Integrated with settable IP address

USB port:

1x USB 2.0, connection for printer

WLAN:

via WLAN module

Fieldbus interface:

Profibus DP or Modbus TCP

JesHopper version with calibratable operation as automatic scale for discontinuous totalization (SWT) according to OIML R 107 (DIN 8130) accuracy class 0.2 and 0.5



The right of technical changes is reserved.
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