



ADVANCED WEIGHERS AND WEIGHING SYSTEMS FOR STATIC, DYNAMIC AND CONTINUOUS WEIGHING



JesHopper Intake

SUPPLIER FOR

- The grain and feed milling industry
- The food industry
- The chemical/technical industry



JesHopper Intake

Throughput scale for intake- and out loading of bulk materials

The Jesma programme of intake-out loading scales is specially designed for in-line weighing of bulk materials such as powders and granulates with focus on operational reliability and accuracy.

The JesHopper Intake is a suitable for handling high flow rates, and is available with accuracies better than 0.1%. Based on the high accuracy and optimum reliability the scale is available in trade approved versions according to the MID directives OIML R107 and R61, Class 0.2 and 0.5.

Construction

The scale consists of a fully electronic weigh bin and pre-bin with individual slide sections.

The weigh bin and pre-bin are mounted in a strong and rigid dust-tight frame. The frame is supplied with easily removable covers to allow easy access to vital parts for service and maintenance.

The pneumatically operated slide sections and high slide angles in the bins ensure the optimum emptying of the bins and the high flow rate capacities.

To maximize the operational reliability the weigher is equipped with elastomeric bearings. The elastomeric bearings compensates for any unbalance during operation, and the fully electronic weighing system with modern filtration technology ensures a quick rest time to achieve the highest possible flow rate and accuracy.

All electrical installations are mounted in a dust tight cabinet.

In standard versions the JesHopper Intake is supplied with the following components:

- Pre-bin with pneumatically operated outlet slides and inductive switches
- Pre-bin with flanged connection for feeding system
- Weigh bin with fully electronic weighing system and pneumatically operated outlet slides
- Depending on size the weigh bin is suspended in 2 or 3 load cells with vibration dampers
- Dust covered weigh bin and pre-bin and removable covers, with rubber sealing, to allow easy access for service and maintenance
- Connection branch for aspiration
- Electrical and air connection placed on the inside of the frame
- Solenoid valves and fittings, mounted in a connection box



RELIABLE ACCURACY

Weight control

To control the weighing process - weight control units which are specially designed for portion weighing with gross/net indications are being used.

Jesma offer different solutions according to individual customer requirements.

The weighing result may be read in the display or printed with indication of date and time.



Technical specifications

Each project is specified individually carefully considering the required construction (St. 37 or AISI304) and any specific requirement for trade approved weighing and/or according to the ATEX directive.

The JesHopper Intake is available in 9 standard sizes up to a maximum of 900 m³/h at 400 cycles per hour.

The size of the scale is considered according to the required capacity and product characteristics of the individual project.

Jesma is known for producing and designing intake-out loading scales according to our customer's individual requirements. Based on the standard range Jesma supplies fully project designed equipment, so if you do not find a suitable scale in the table below please contact our sales department for further information.



Type JesHopper	Max. capacity	Volume pre-bin	Volume Weigh bin	Air consumption at 7 bar	Aspiration	Dimensions (LxWxH) in mm
Intake-30	12 m ³ /h	15 L	30 L	0.71 L/min.	4-5 m ³ /min.	630 x 630 x 640
Intake -70	18 m ³ /h	22 L	90 L	3.6 L/min.	5-6 m ³ /min.	800 x 800 x 970
Intake-150	30 m ³ /h	50 L	220 L	7.1 L/min.	5-6- m ³ /min.	950 x 950 x 1400
Intake-250	75 m ³ /h	100 L	350 L	10.7 L/min.	5-6- m ³ /min	1000 x 1000 x 1700
Intake-500	100 m ³ /h	0.4 m ³	0.7 m ³	14.3 L/min.	6-7 m ³ /min.	1200 x 1200 x 2185
Intake-1000	185 m ³ /h	0.8 m ³	1.4 m ³	17.1 L/min.	10-15 m ³ /min.	1410 x 1410 x 3400
Intake-1500	320 m ³ /h	1.0 m ³	2.0 m ³	17.1 L/min.	10-15 m ³ /min.	1410 x 1760 x 3400
Intake-2500	600 m ³ /h	2.1 m ³	4.0 m ³	54.3 L/min.	30-40 m ³ /min.	2000 x 2000 x 4500
Intake-3000	900 m ³ /h	4.0 m ³	6.5 m ³	54.3 L/min.	30-40 m ³ /min.	2000 x 2650 x 4500



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