Flow scales

Reliable accuracy

Advanced weighing and dosing systems for static, dynamic, and continuous weighing.

jesma® weighing solutions

Reliable accuracy

JesFlow

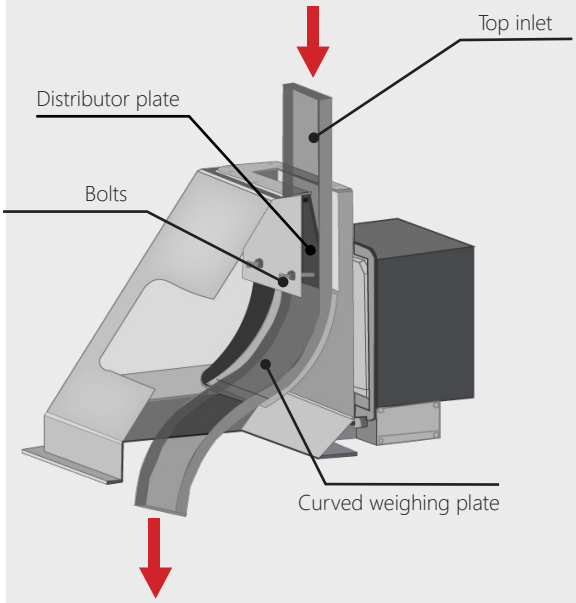
For continuous in-line weighing of dry and free flowing products.

With its intelligent weighing system, using the centrifugal forces, the JesFlow can be applied in any vertical process line of dry and/or free flowing products. Due to the compact construction the JesFlow can easily be retrofit into existing process lines where accurate measurement of the process flow is required.

The JesFlow is supplied in 4 standard sizes for handling capacities up to 25 m^3/h and with weighing accuracies from +/- 2 % of the maximum flow.

Type	m^3/h	A	B
JesFlow-1	0-1	150	30
JesFlow-5	1-5	150	30
JesFlow-10	2-10	150	50
JesFlow-25	5-25	250	50

** For larger capacities we offer our VPR-Impact*



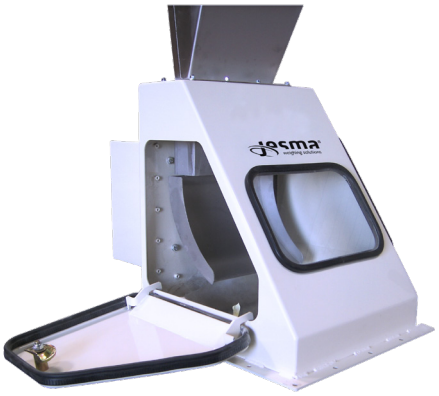
Description of the JesFlow construction

The scale is built around a high precision load cell mounted in a parallelogram, which isolates the load cell from the mechanical structure.

The product flow enters the scale through the top inlet passing the distributor plate and the curved weighing chute. The curved weighing chute allows the scale to use the centrifugal forces for weighing very accurately. The inlet is supplied including an adjustable distributor plate which allows the material to be equally distributed across the plate for optimum accuracy and linearity.

- Mounted load cell mounted separately from the product flow, and the construction secures a long lifetime as the scale is free from moveable parts.
- During commissioning the distributor plate is adjusted using the included lockable bolts.

Technical specifications



The JesFlow scale is supplied as a fully tested unit, built into a painted steel cabinet, or in a stainless steel cabinet upon request.

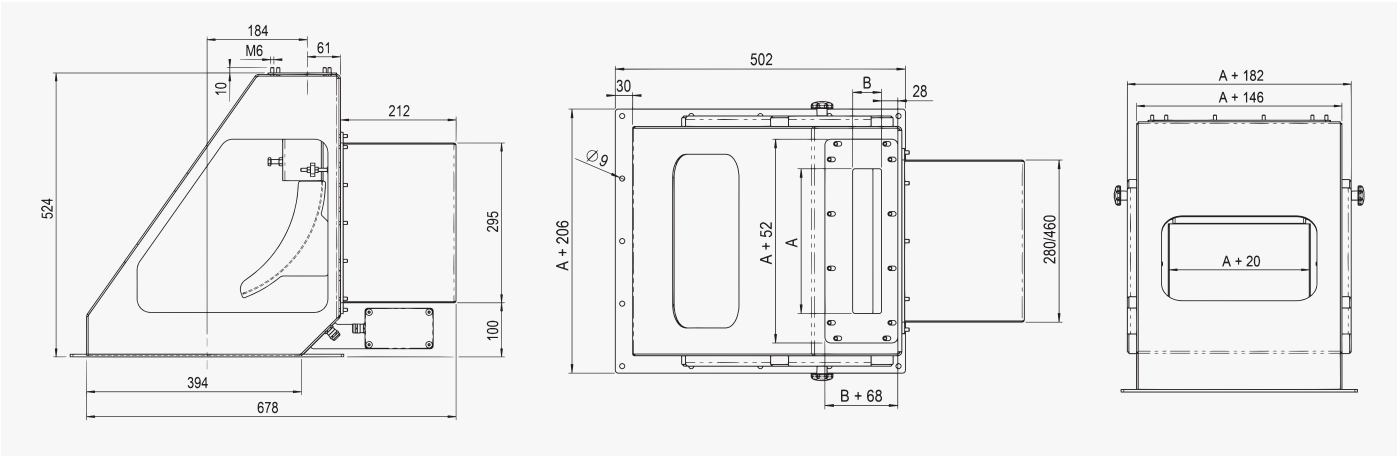
The scale is supplied including access to the vital components through the doors and the load cell cover, and with stainless steel AISI304 weighing chute, which is also available in AISI316.

The Flow Scale, type JesFlow includes as a standard:

- Dust tight construction with thick rubber sealing.
- Easy removeable cover for the load cell, for quick service access.
- Maintenance free weighing construction with load cell suspended out of the product flow.
- Access door on each side of the scale for easy accessible to vital parts
- Load cell overload protection.

Protect your scale against abrasive materials

Increase the lifespan of your flow weighing solution by adding Hardox coating on the inlet and/or impact plate. This will protect your weighing solution from damage caused by abrasive materials.



Control units for flow scales

The signal from the load cell is transmitted to a weigh controller, that amplifies it. The signal is used to calculate the amount of material passing the impact plate, and the result is shown in the display of the control unit. The results are shown as absolute figures in kgs or tons, while the actual flow is shown in kg/h or t/h.

Using the IT3 FW Jesma control unit with flow weighing software.

Using the IT8000 FW Jesma control unit, special unit for recipe controlling, the IT8000 FW controller can handle correction factors for up to 25 products once the impact scale has been calibrated with these products.

Reliable accuracy

JesImpact

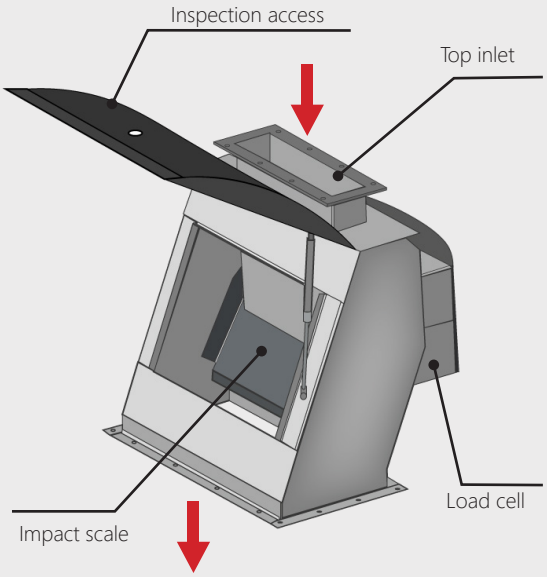
For continuous in-line weighing of dry and free flowing products.

The JesImpact, is a flow scale using impact forces to weigh free-flowing dry material in any vertical process line. Impact weighers are used to measure flow or weight of bulk material such as powders and granulates.

The JesImpact is supplied in 3 standard sizes for handling capacities up to 150 m^3/h and with weighing accuracies from +/- 2 % within 60-100% of the maximum flow.

Type	m^3/h	A	B	C	D	H
JesImpact 50	50	60	200	210	360	450
JesImpact 100	100	80	320	300	600	675
JesImpact 150	150	100	420	300	600	675

** For larger capacities we offer our VPR impact weigher*



Description of the JesImpact

The scale is built around a high precision load cell isolated from the mechanical structure.
This makes the scale free from moving parts thus extending the lifetime of the equipment.

The product enters the scale through the top inlet, from where it will hit the impact plate. The adjustable inlet allows the material to be equally distributed across the impact plate for optimum accuracy, and it only transmits the horizontal forces which means that any material that may stick to the impact plate does not affect the zero signal.

The impact plate then accurately transfers the impact from the product flow to the load cell.

The large, hinged inspection access allows for easy service and maintenance, and the compact construction means that the JesImpact easily can be retrofit into existing process lines.

Technical specifications

The JesImpact is as a standard supplied in mild steel and can be supplied in stainless steel or with stainless steel parts upon request.

The scale includes easy access to the vital components through the inspection doors and the load cell cover.

The Impact Weigher type JesImpact includes as standard:

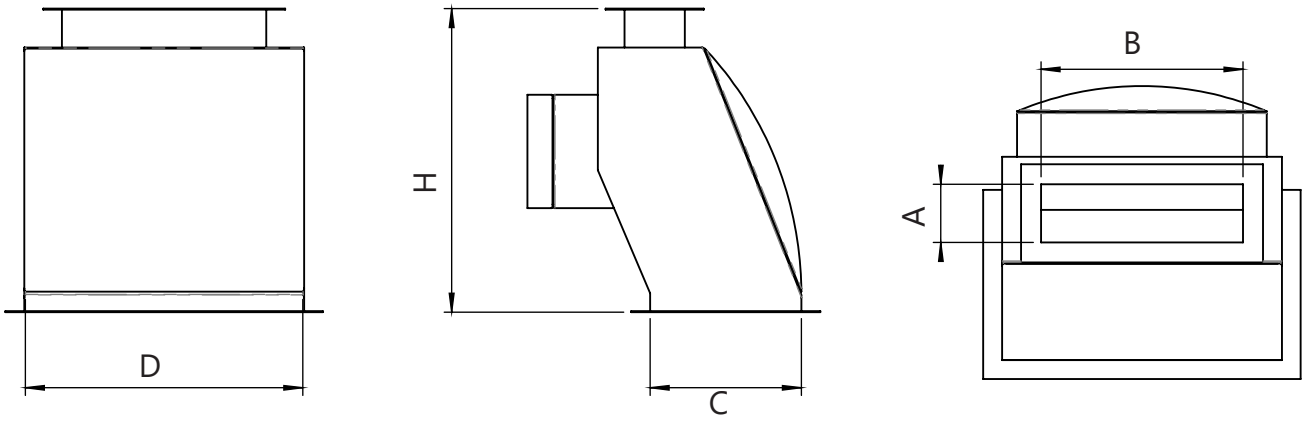
- Dust tight construction with thick rubber sealing.
- easy removeable cover for the load cell, for quick service access.
- Maintenance free weighing construction with load cell suspended out of the product flow.
- Access door on the front of the scale for easily accessible vital parts
- Load cell overload protection.

Protect your scale against abrasive materials

Prolong the lifetime of your flow weighing solution when working with abrasive materials. Add Hardox coating to the inlet and/or impact plate to protect you weighing solution against abrasive materials.

Dimensions

Please consult the table on page 1, for the measurements of your impact scale.



Control units for flow scales

The signal from the load cell is transmitted to a weigh controller, that amplifies it. The signal is used to calculate the amount of material passing the impact plate, and the result is shown in the display of the control unit. The results are shown as absolute figures in kgs or tons, while the actual flow is shown in kg/h or t/h.

Using the IT3 FW Jesma control unit with flow weighing software.

Using the IT8000 FW Jesma control unit, special unit for recipe controlling, the IT8000 FW controller can handle correction factors for up to 25 products once the impact scale has been calibrated with these products.

Reliable accuracy

VPR impact weigher

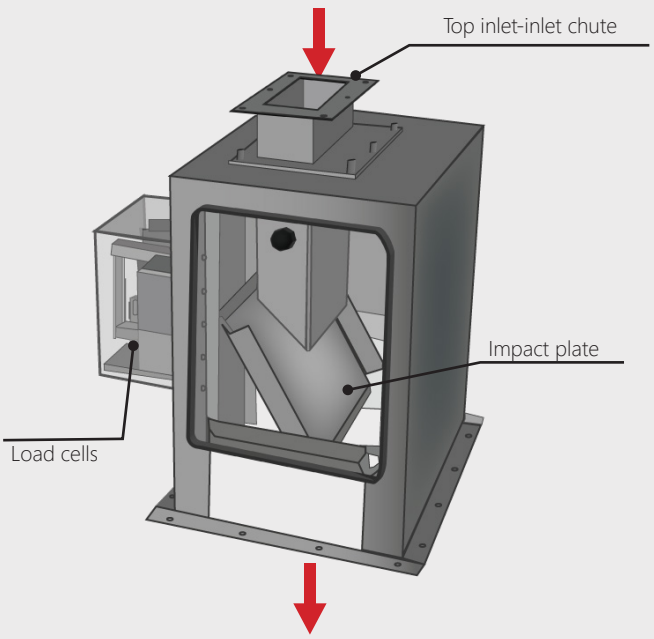
For continuous in-line weighing of dry and free flowing products.

The impact weigher type VPR is designed for in-line and continuous weighing of bulk materials such as powders and granulates.

It can be applied in any vertical process line, that handles dry and free flowing products. The compact construction means that it easily can be retrofit into existing product lines.

The VPR is supplied in 4 standard sizes for handling capacities up to 400 m^3/h and with weighing accuracies from +/- 2 % of the maximum flow.

Type	m^3/h	A	B	C
VPR-80	80	550	250	100
VPR-160	160	750	450	100
VPR-250	250	860	560	150
VPR-400	400	1010	710	150



Description of the VPR construction

The scale is built around a load cell that is isolated from the mechanical structure, which makes the scale free from moving parts.

The product enters the scale through the inlet. The inlet chute is adjustable which allows the material to be equally distributed across the impact plate for optimum accuracy.

The impact plate accurately transfers the impact from the product flow to the load cell.

Technical specifications

The VPR is supplied as a fully tested unit, in mild steel or in Stainless Steel AISI304. Through the doors and the load cell covers you have easy access to the vital components.

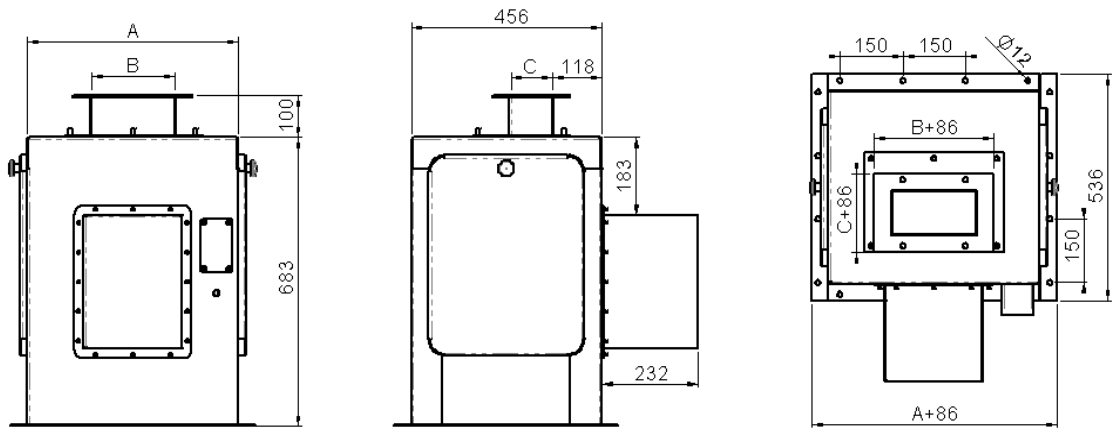
The VPR includes as a standard:

- Load cell overload protection.
- Access door on each side for easy access to vital parts.
- Maintenance-free weighing construction with load cell suspended out of product flow.
- Easily removable cover for the load cell for quick access for service and maintenance.
- Dust tight construction with thick rubber sealing.

Protect your scale against abrasive materials

Increase the lifespan of your flow weighing solution by adding Hardox coating on the inlet and/or impact plate. This will protect your weighing solution from damage caused by abrasive materials.

Dimensions



Control units for flow scales

The signal from the load cell is transmitted to a weigh controller, that amplifies it. The signal is used to calculate the amount of material passing the impact plate, and the result is shown in the display of the control unit. The results are shown as absolute figures in kgs or tons, while the actual flow is shown in kg/h or t/h.

Using the IT3 FW Jesma control unit with flow weighing software.

Using the IT8000 FW Jesma control unit, special unit for recipe controlling, the IT8000 FW controller can handle correction factors for up to 25 products once the impact scale has been calibrated with these products.

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