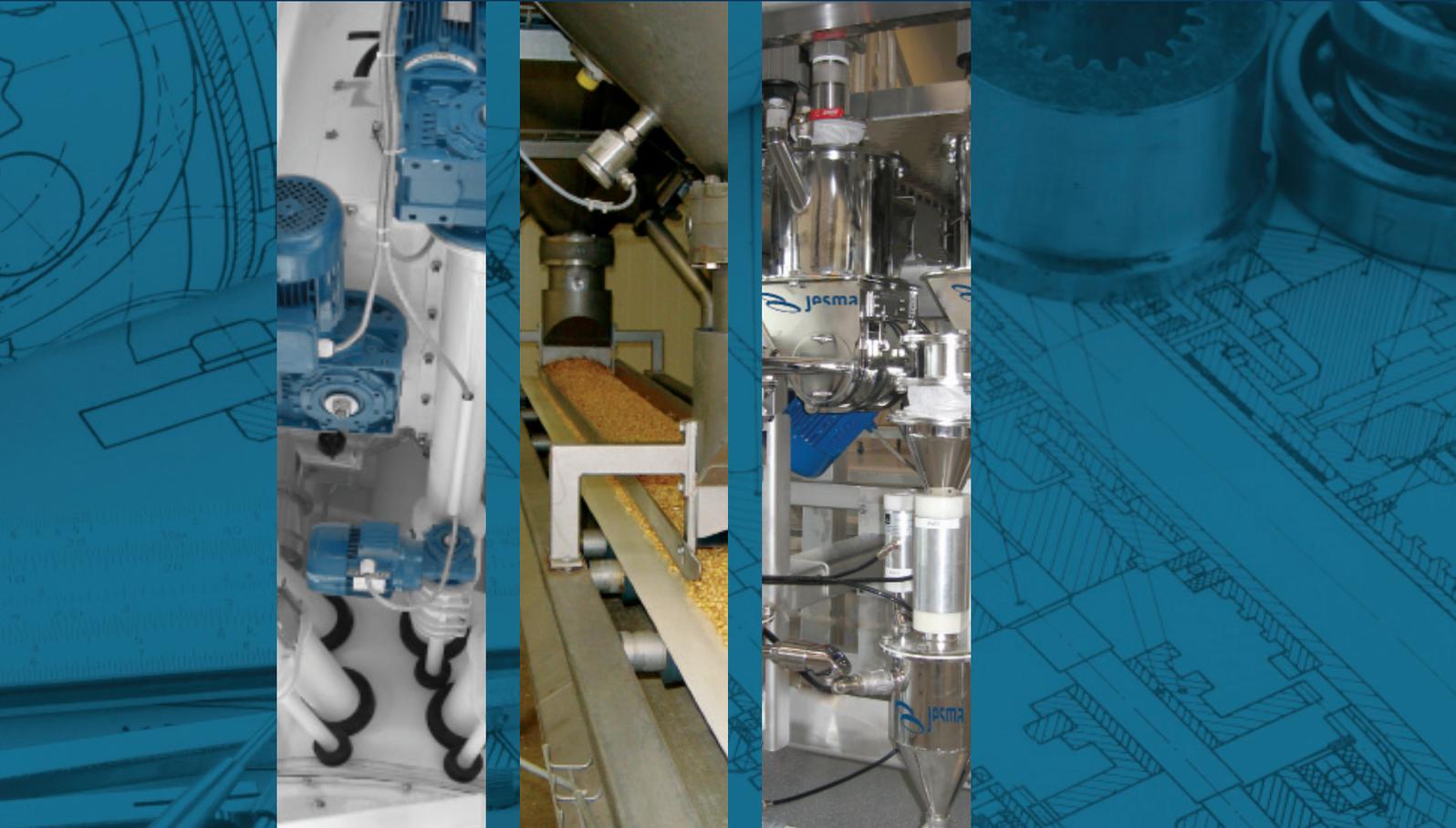


VPR Impact Weigher

Advanced weighers and weighing systems for static, dynamic and continuous weighing





VPR Impact Weigher

Flow scale for continuous in-line weighing of dry and free flowing products

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

With its intelligent weighing system, using the impact forces, the VPR can be applied in any vertical process line of dry and free flowing products. Due to the compact construction the VPR can easily be retrofit into existing process lines.

Due to its construction without movable parts the VPR weighing part is maintenance free and offers optimum life time together with unrivalled operational reliability.

Weighing accuracies from +/- 2% within 20-100% of the max. flow.

Construction

The VPR is supplied as a factory tested unit, mounted in a strong and rigid cabinet, suitable for installation in a closed conveying system.

The construction is including access doors to allow easy access for service and maintenance.

The impact plate is suspended in a parallelogram mounted in pivoted arms, which freely transmits the accelerating forces to the load cell.

The constant product flow is entered into the scale through the top inlet from where it will cross the impact plate.

The VPR impact weigher only transmits the horizontal forces, thus any material which may stick to the impact plate will not influence the zero signal.

This weighing solution secures optimum stability and accuracy in the operation of the scale, while keeping the overall dimensions to a minimum.

A diverter for test samples after the weigher is recommended to run a known amount over the weigher and allow accurate calibration and control weighing.

The VPR impact weigher is supplied including:

- Overload protection of the load cell
- Access door on each side for easy access to vital parts.
- Maintenance free weighing construction with load cell suspended out of product flow.
- Easy removable cover for the load cell for quick access for service and maintenance.
- Dust tight construction with thick rubber sealing.
- The flow scale is supplied in painted steel ST37.2 or in Stainless steel AISI304



RELIABLE ACCURACY

Weigh control

The signal from the load cell is transmitted to a Jesma weigh controller where it is amplified.

The amplified signal is used for calculation of the quantity passing the impact plate, and the result is shown in the weigh controller display as absolute figures in kg or tons. Furthermore the actual flow is shown in kg/h or t/h.

In the weigh controller the load signals are converted into 0-20 mA or 4-20 mA outputs, which allows a number of different control functions.

With a Jesma weigh controller, the VPR can be calibrated for 25 different products - each of them with resettable flow counter and totalizer.

Please refer to separate leaflet regarding weigh controller for more information.

Technical specifications

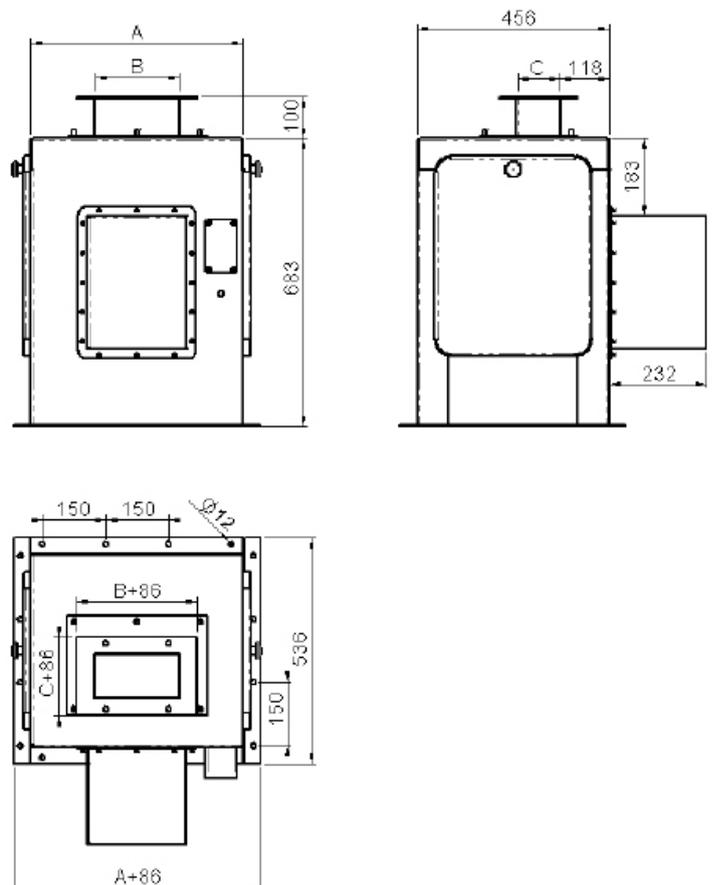
The VPR impact weigher is supplied as a fully tested unit, built-into a painted steel cabinet, or in a stainless steel cabinet upon request.

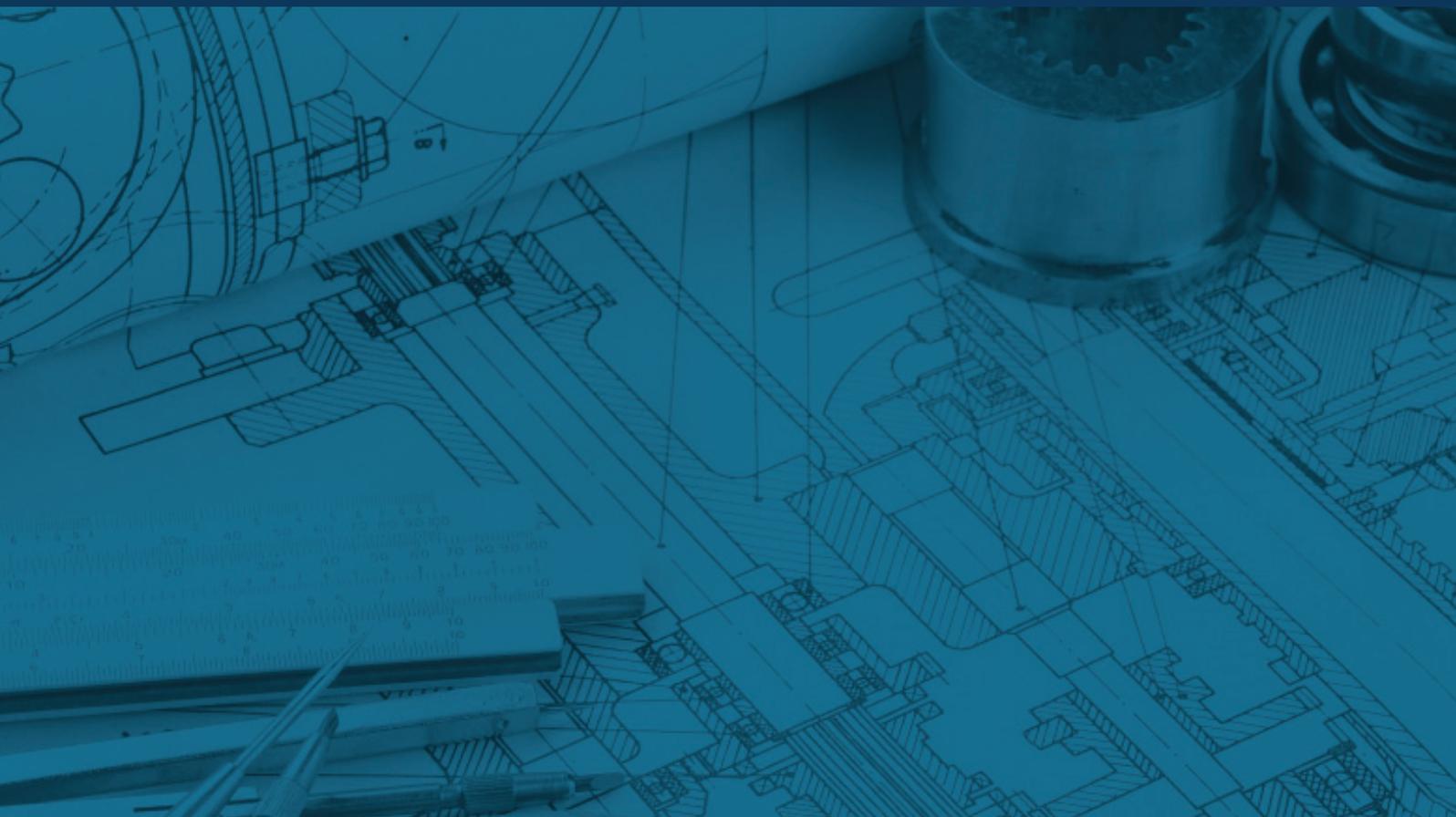
The scale is supplied including access to the vital components through the doors and the load cell cover and with stainless steel AISI304 impact plate, which is also available in AISI316.

Available with Atex load cell zone 21

The VPR is available in 5 standard sizes:

Type	m ³ /h	A	B	C
VPR-50	50	500	200	100
VPR-80	80	550	250	100
VPR-160	160	750	450	100
VPR-300	300	860	560	150
VPR-400	400	1010	710	150



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