



Application

Discontinuous totaliser

Weighing of bulk products during loading, unloading, silo transfer, other transfers, etc.

Presentation

The ABS-X hopper scale is designed for the automatic weighing of dry granulous products which flow well, such as cereals, in a circuit (process).

Together with the I 400 ABS instrumentation system, the hopper scale acts as a discontinuous totaliser.

The unit is easy to install and maintain thanks to its simple and robust design, low height and section.

The scale housing is supported by the concrete floor or the installation metallic frame; it supports and encloses the two main mechanical sub-assemblies:

- A gravity feed section equipped with a feed gate.
- A weigh hopper, fitted on strain gauge load cells and equipped with a discharge gate.

These sub-assemblies being bolted to the frame can easily be replaced, if needed.

The weighing cycle is managed by the I 400 ABS system, which controls each gate, via an electropneumatic control.

Metrological certification

- MID directive 2004/22/EC
- Accuracy class: 0.2 / 0.5 / 1 or 2.

Available models

Model	Flow (m ³ /h)	Flow* (t/h)	Air cons. (m ³ /h)	Aspiration** (m ³ /h)
ABS-X003	27	20	10	300
ABS-X004	40	30	10	300
ABS-X007	67	50	15	350
ABS-X015	133	100	20	400
ABS-X020	200	150	30	500
ABS-X027	267	200	30	500

* Flow calculated for a specific product weight: 0.75 t/m³.

** Mandatory connection to dust extraction system.

Characteristics

General characteristics

- ▼ Control and management by the I 400 ABS instrumentation system, with the transmitter mounted on the scale. For more information on this system, consult technical data sheet O4-32-60 FT.
- ▼ Bulk density of the products to be weighed: 0.30 – 0.90 t/m³.
- ▼ Instrument accuracy: ± 0.1 %.
- ▼ Scale adapted for internal use within a temperature interval of -10 to +40°C.
- ▼ Manufactured in painted steel, colour RAL 5012.

Technical characteristics

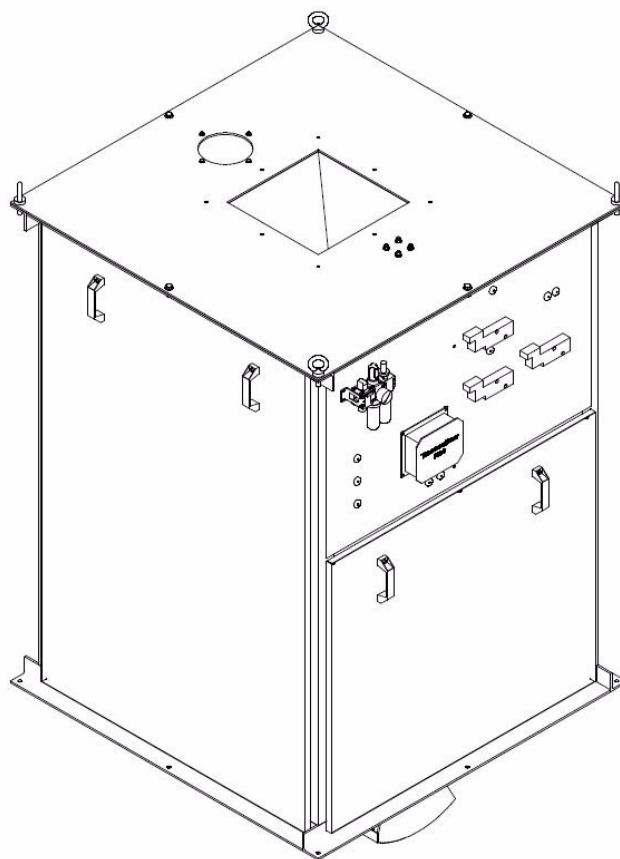
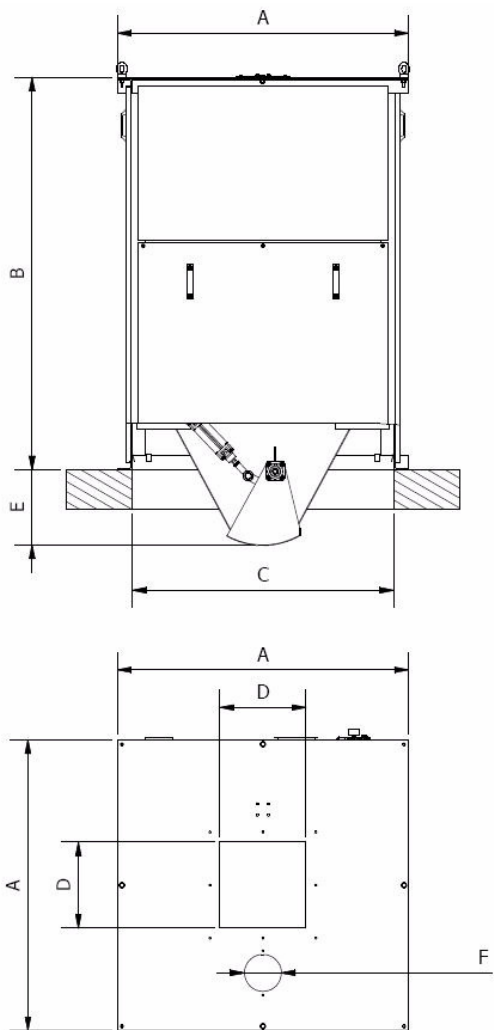
The quality of the construction of our hopper scales combined with the supply of electrical and mechanical components which comply with ISO standards guarantees that our units are:

- robust
 - reliable
 - accurate
 - easy to maintain.
- ▼ Feed and discharge gates fitted on ball bearings.
 - ▼ Weigh hopper supported directly on load cells without levers or balance beams.
 - ▼ Easy calibration and checking as the support racks for the test weights are attached on either side of the weigh hopper.

European conformity



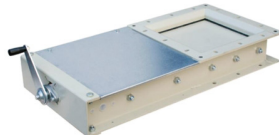

- Directive 2006/42/EC on machinery
- Directive 2006/95/EC on Low voltage equipment
- Directive 2004/108/EC on Electromagnetic compatibility
- Directive 94/9/EC on ATEX atmospheres

Installation



Model	A (mm)	B (mm)	C (mm)	D (mm)	E (mm)	F (mm)	Weight (kg)
ABS-X003	1053	1326	933	300	–	150	290
ABS-X004	1053	1326	933	300	–	150	295
ABS-X007	1053	1326	933	300	160	150	310
ABS-X015	1182	1596	1062	350	306	150	430
ABS-X020	1480	2100	1344	500	–	150	942
ABS-X027	1480	2568	1344	500	–	150	1060

Options & Accessories

Total or partial stainless steel version	Upper and lower bin level check	Slide valve	Explosive atmosphere
 <p>304 L SST</p>		<p>Mild steel or stainless steel 304L</p> 	 <p>II 1/3 D*</p>

* Other category on request.

Votre spécialiste

Illustrations non contractuelles. Precia-Molen se réserve le droit de modifier, à tout moment, les caractéristiques du matériel décrit dans cette brochure.

Siège social & Usine PRECIA-MOLEN
 BP 106 - 07000 Privas - France
 Tel. 33 (0) 475 664 600
 Fax 33 (0) 475 664 330
 E-MAIL webmaster@preciamolen.com

RCS: 386 620 165 RCS Aubenas

**PRECIA
 MOLEN™**
 WORLDWIDE WEIGHING