Brabender Bulk Bag Unloader Type BagMaster 1150 QDS

The Brabender BagMaster 1150 QDS bulk bag unloader is a discharge station for customary lined and unlined bulk bags up to 1.5 metric tons (3306.9 lb).

A free-standing mounting base made of closed rectangular structural steel accommodates a paddle massage mechanism with two paddles, on which the bulk bag rests. These paddles work in opposite directions and agitate both the bag outlet and the bag bottom. The paddle movement promotes reliable discharge and complete emptying also of the bag corners.

The compressed air driven Quick Docking System (QDS) below the paddles provides dust-free connection of the bulk bag outlet. The outlet is clamped to the QDS manually and tautened pneumatically.

The paddles are impulse operated by a junction box mounted impulse relay. A selector switch permits to select 3 settings (automatic, manual operation, bulk bag exchange).

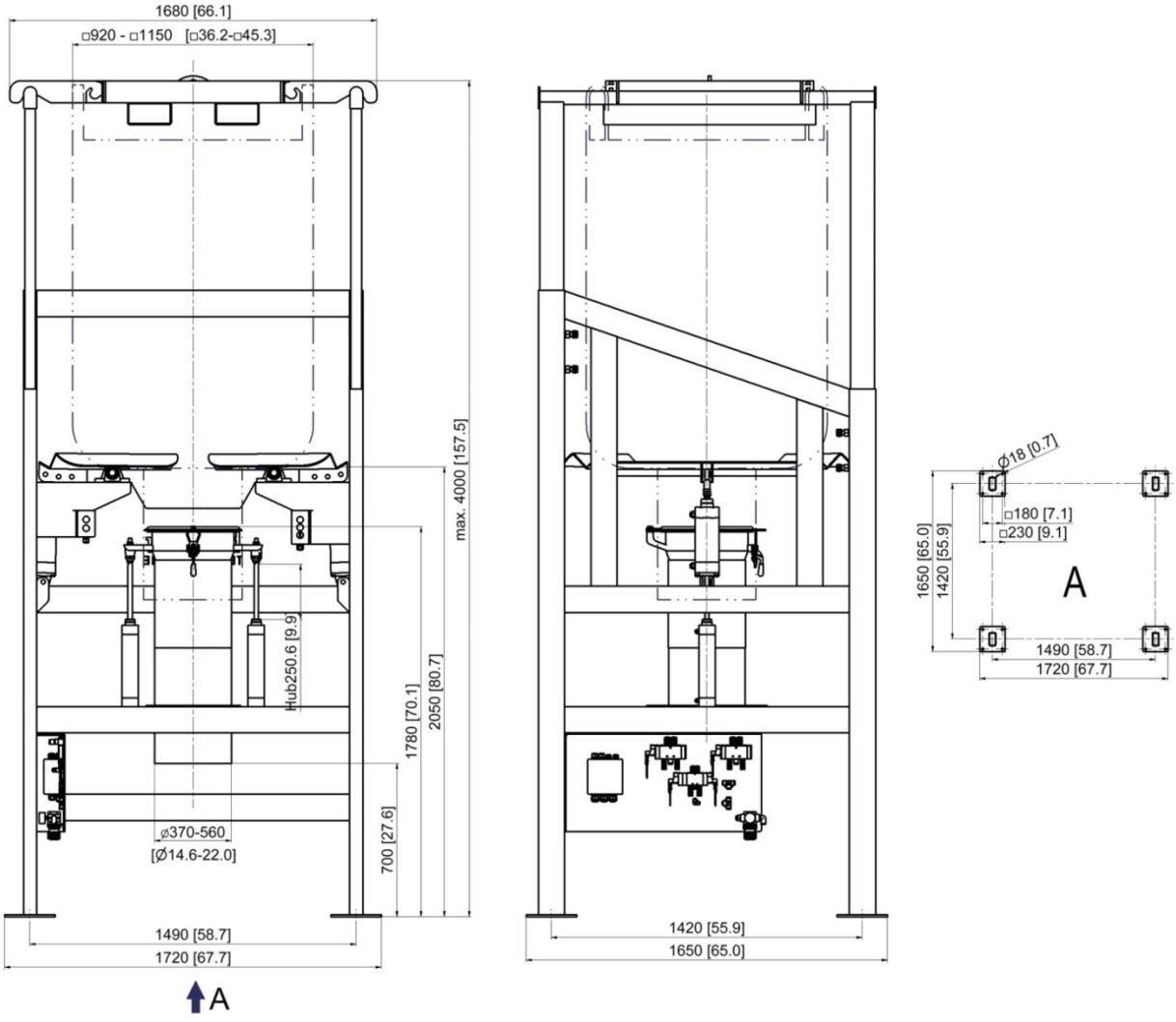
The Brabender BagMaster is optionally supplied

- with a built-in metering feeder.
- as a loss-in-weight metering feeder for continuous or batch-wise loss-in-weight metering directly from the bag.
- as a weighed version with an evaluation unit for filling level monitoring.
- with a built-in crane.
- in an explosion-proof design.

Ingredient contact steel parts are made of pickled and passivated stainless steel SS 1.4301 (304).

Mild steel parts are painted light grey (RAL 7035).

The unit conforms to CE directives.

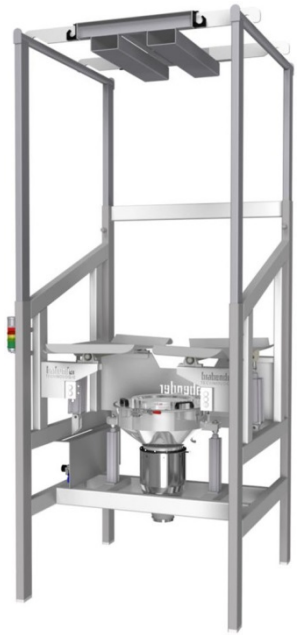


Dimensions in mm (in)

Brabender Technologie GmbH & Co. KG, Kulturstrasse 55-73, 47055 Duisburg, Germany, Tel: +49 (0) 203 9984-0, email@brabender-technologie.com
Brabender Technologie Inc., 6500 Kestrel Road, Mississauga, Ontario L5T 1Z6, Canada, Tel: 1-905-670-2933, sales@brabenderti.com

Technical Data

BagMaster Type 1150 QDS



Standard Scope of Supply

- Mounting base (rectangular structural steel)
- Rigging frame for easy positioning of the bag in the BagMaster
- Height-adjustable rigging frame rests
- Paddle mechanism, electropneumatically actuated, with junction box mounted pulse control
- Quick Docking System QDS for dust-free connection of the bag or liner outlet

Options

- Optional version equipped with a built-in metering feeder for continuous or batch-wise metering directly from the bag, also available mounted on 4 analog load cells as a loss-in-weight metering feeder in connection with the according control units (see Congrav® controller family)
- Optional version mounted on 4 analog load cells for filling level measurement incl. evaluation electronics (MS design)
- Explosion proofing:
  - ATEX II 3D/-- (interior/exterior)
  - ATEX II 3D/3D (interior/exterior)

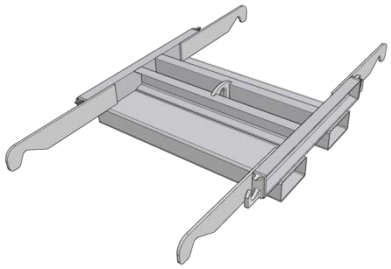
Suitable Bag Sizes

- Min. bag footprint:
  920 x 920 mm (36.2 x 36.2 in)
- Max. bag footprint:
  1150 x 1150 mm (45.3 x 45.3 in)
- Outlet diameter:
  370-560 mm (14.6-22.0 in)
- Min. outlet length: 500 mm (19.7 in)
- Max. filling weight 1500 kg (3,306.9 lb)

Supply

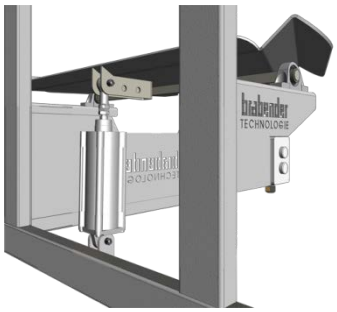
- Supply voltage: AC 230V
- Control voltage: DC 24V
- Compressed air: 6 bar
  (instrument air, slightly oiled)

Rigging Frame



- Basic version: rigging frame with bag loop holders and single crane lug (bags hanging from crane during discharge, BagMaster in this case supplied without rigging frame rests)
- Version additionally equipped with side brackets for placement on the rigging frame rests of the BagMaster and/or additionally with fork lift pockets
- Loading capacity up to
  2 metric tons (4409.2 lb)
- Mild steel, painted (yellow)

Paddle Mechanism



- Horizontal paddles supporting the bulk bag with front gap allowing the bag outlet to pass through - no need to lift the bag above the paddles (reduced headroom requirement)
- Paddle movement by pneumatic cylinder, intervals adjustable by impulse relay
- Mild steel, painted (RAL 7035)

Quick Docking System (QDS)

- Dust-tight docking of bag and liner outlet
- Tautening by pneumatic height adjustment (bimanual actuation)
- Versions:
  - QDS 1 for bag outlets
    Ø 370-420 mm (14.6-16.5 in)
  - QDS 2 for bag outlets
    Ø 420-490 mm (16.5 x 19.3 in)
  - QDS 3 for bag outlets
    Ø 490-560 mm (19.3-22.0 in)

  (easily interchangeable)
- Ingredient contact parts are made of stainless steel and polyurethane

Issue 4.0 (April 16)
Supersedes 9.0 (September 13)

Brabender Technologie GmbH & Co. KG, Kulturstrasse 55-73, 47055 Duisburg, Germany, Tel: +49 (0) 203 9984-0, email@brabender-technologie.com
Brabender Technologie Inc., 6500 Kestrel Road, Mississauga, Ontario L5T 1Z6, Canada, Tel: 1-905-670-2933, sales@brabenderti.com