

JEM INTERNATIONAL

JEM SUPER SACK FILLERS PROVIDE DUST TIGHT FILLING ENVIRONMENTS WITH ACCURATE WEIGHMENTS AND TRANSFERABLE WEIGHT DATA.



THE SUPER SACK FILLING SYSTEM CONSISTS OF:

- A product feeder
- Bag Spout
- Supersack support frame
- 5,000 lb. platform scale
- All necessary electronic and pneumatic scale controls

NTEP-APPROVED IT6000E DIGITAL CONTROLLER INCLUDES:

Communication ports for retrievable weight data.

OPTIONAL:

Surge hoppers, belt feeders, screw augers, slide gates and butterfly valves.

The support framework can be drilled to allow for various bag heights.

JEM International has partnered with FormPak for additional application requirements such as Bag Gyrators for product settling, fully automatic corner loop release and single strap export bag filling stations



TIP: Using a Net Weigh Bagging Scale for filling 50 lb through 2,200 lb. weights on the same bagging line is a very popular and inexpensive option if you only require a Supersack of bulk bag filling for a small portion of your packaging needs.

JEM International Inc. is the leading manufacturer of gross weight bagging scales and the Mattson family is honoured to have sold thousands of systems in 60 countries for the past forty-five years.



EQUIPMENT SALES | PARTS | MANUFACTURING



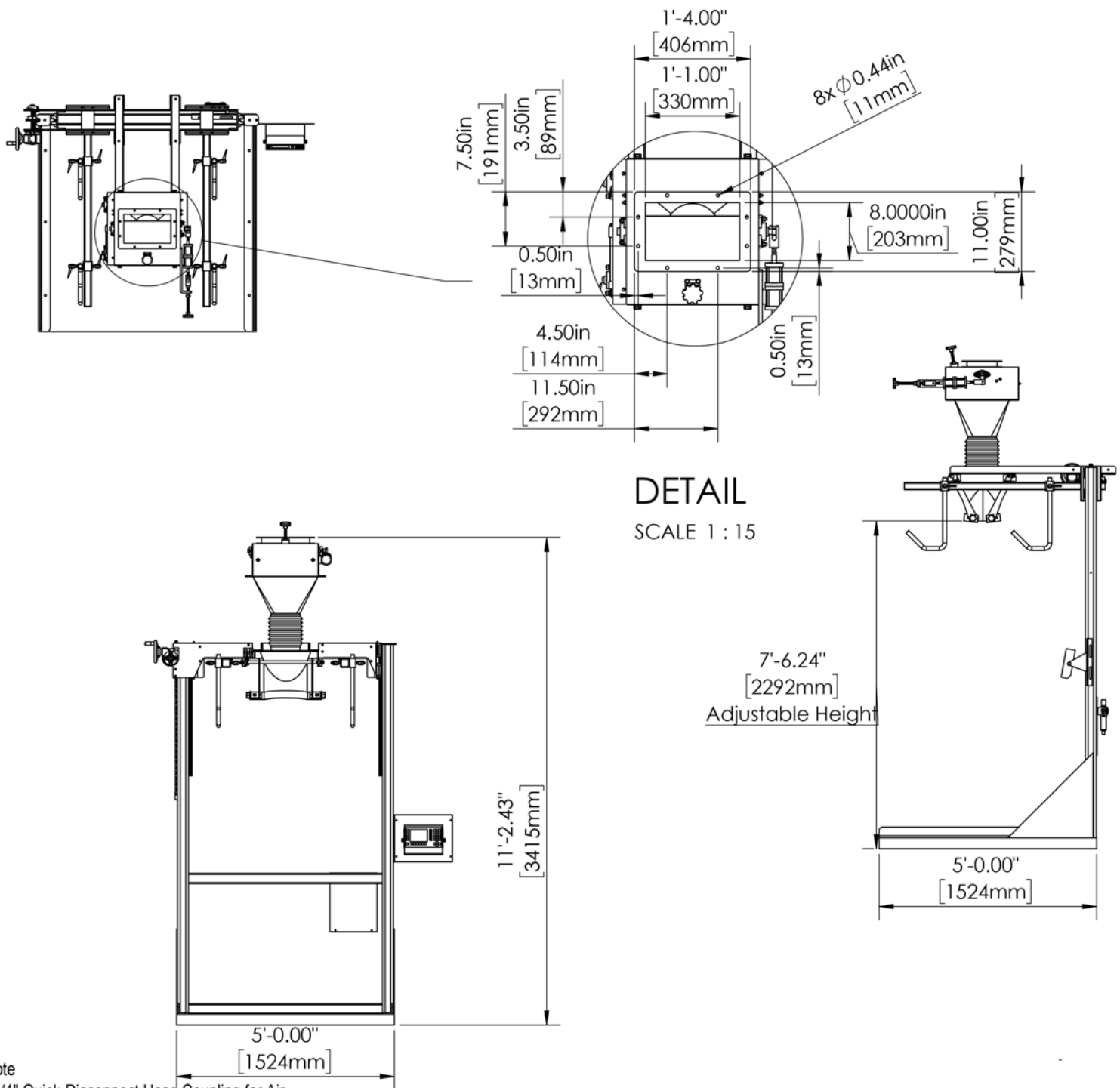
6873 Martindale, Shawnee, KS 66218 USA

PHONE: 913-441-4788

EMAIL: info@jemsscales.com

WEB: www.JemBaggingScales.com

DIMENSIONS:



Note

- 1/4" Quick-Disconnect Hose Coupling for Air (McMaster-Carr Part#: 6534K46)
- Inner diameter of Air Hose is recommended larger than 1/4"

IT6000E BIG BAG IS A UNIVERSAL FILLING CONTROLLER FOR AUTOMATIC GRAVIMETRIC FILLING OF BIG BAGS AND IBC'S IN W & M APPROVED APPLICATIONS

The controller connects to load cells or scales of all types and weight ranges including for Ex-area applications, e.g:

- floor scales
- Pit-mounted scales
- Tension load cells

SINGLE AND MULTIPLE BAGS can be filled in semi or fully automatic operation

The controller is available in two styles:

- **Compact Stainless steel enclosure** for desk or wall mounting
- **Panel-mount version**

The fill controller offers functionality to conform to ISO9001 standards:

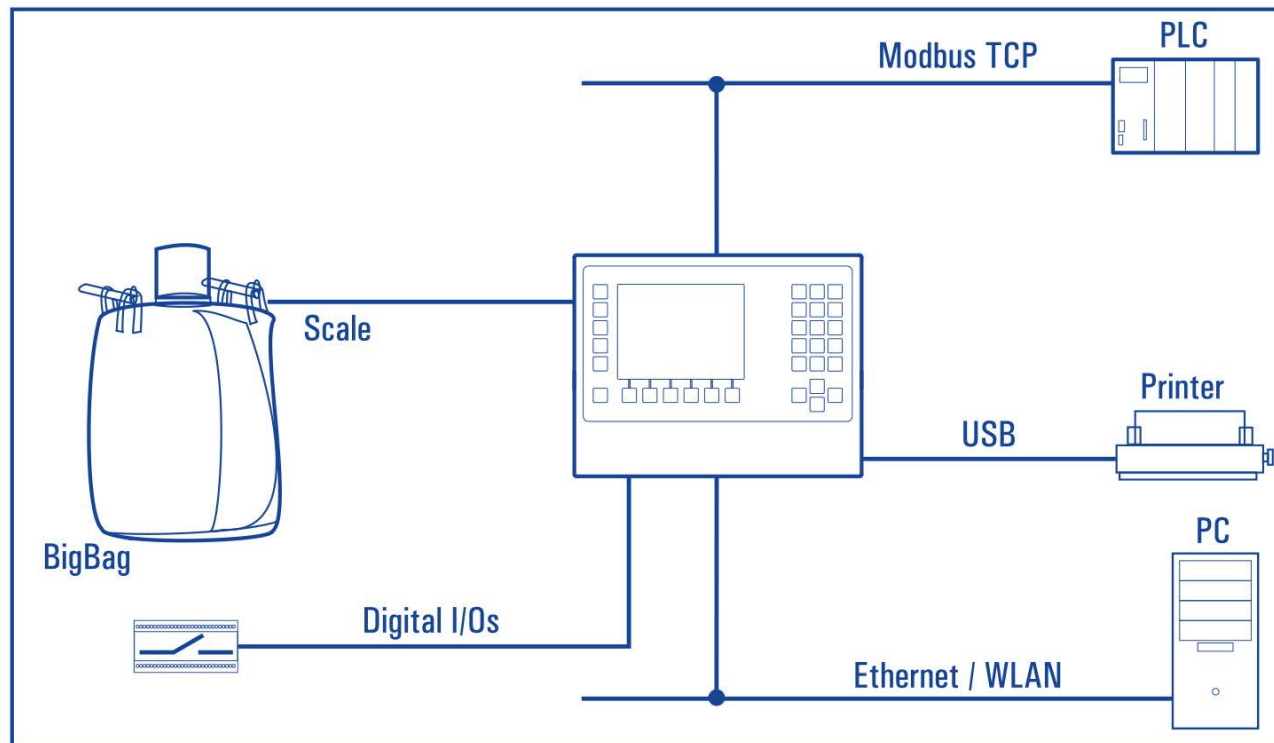
- **Accurate fill control through** fast signal processing , trend-sensing preach adjustment and weight tolerance check.
- **High operational security** through extensive monitoring functions and simple operational control
- **Recording of all data** of single or multiple fillings with optional hard copy printout or data transfer.



FILLING CONTROLLER - WEIGHTS AND MEASURES

IT6000E BIG BAG controls the filling by screw feeder, sliding gate, or vibratory feeder. Additional control for Big Bag lifts, air fan for inflating an inner bag liner and the bag transport to and from the weigher is available.

Operation via clear onscreen menus is simple and ensures **fast and error free** operation and minimum training requirements.



TYPICAL BIG BAG FILLING CYCLE:

- 1** Product selection - input of target weight, number of bags and pertaining data
- 2** Attach Big Bag to weigher
- 3** READY STATUS - start fill cycle
- 4** Tare-check and/or auto-tare function
- 5** Lift Big Bag (manually or with optional software extension)
- 6** Inflate inner bag liner
- 7** Fill with 1 or 2 speeds with simultaneous monitoring of fill time and material flow
- 8** Lower Big Bag (manually or with optional software extension)
- 9** Tolerance check with auto-preact adjustment
- 10** Capture of statistical data - printout and data transfer of gross, tare and net weights, date, time, consec. number, product ID and associated data - also batch data at batch end.
- 11** Message 'Done', 'Ready to start' for next filling

FAST AND ACCURATE FILLING

- Fast signal processing (50-800 updates per second)
- W&M approved resolution of 6000 d with a max. Preload of 80%, internal resolution 524,000 d
- 1 or 2 speed filling
- Automatic trend-sensing preact adjustment

CAPTURING ALL RELEVANT DATA

- Comprehensive statistics function with mean weight, standard deviation, number of fillings, etc.
- Input, printout and transfer of application related data, e.g. order number, batch number, shift or operator ID etc.

SECURITY

- Powerfail safe storage of data,
- password protection,
- battery-backed real time clock,

MONITORING FUNCTIONS

- Fill time and flow rate check
- Tare check

SIMPLE INTEGRATION

- Stand-alone or remote controlled operation possible
- Accept, Start, Interrupt functions are possible from external switches.

SIMPLE AND SECURE OPERATION

- Operator is guided on a high contrast color TFT display, Numeric keyword with multiple key assignment for the entry of alphanumeric data, tactile acid-resistant membrane keyboard and soft-keys or optional full-size PC keyboard
- Sequence and operation are individually configurable. This eliminates unnecessary operator actions
- Up to 99 products with pertaining values for target weight tolerance, etc. can be stored against a 2 digit ident. number

WEIGHING ELECTRONICS

- Integrated signal amplifier to connect up to 16 strain gauge load cells in 4 or 6 wire mode.
- Calibration as single or multiple range and as single or multi-interval scale.

ETHERNET CONNECTION (OPTION: WLAN)

Integrated Ethernet interface with configurable IP address, for data transmission or remote diagnosis over internet.

SERIAL INTERFACES

- for printer (option)
- For data transfer to PC (option)
- RS232, 20mA CL, RS422 or RS485 select able, protocol/ baud rate configurable.

INTEGRATED USB INTERFACE (OPTION)

To connect printer, scanner, or PC keyboard

DIGITAL INTERFACES / MODBUS TCP

- Opto-isolated inputs and outputs, 24V, for connection to external relays
- Option: External RS485 relay module
- Option: connection to PLC or SCADA system over Modbus TCP (Slave).

ANALOG OUTPUT

15 bit resolution, 32,000 divisions
0-10 V, 2-10 V, 0-20 mA or 4-20 mA.

ELECTRICAL CONNECTION

110 (-15%) to 240 (+10%)VAC,
50/60Hz option: 12 – 30VDC
power consumption max. 20VA.

OPERATING TEMPERATURE

-10°C (+14°F) to +40°C (+104°F)
max. 95% relative humidity, non-condensing.

ACCESSORIES

Remote display, relay module etc.

EX2/22 VERSION

For installation in Ex Zones 2 and 22

CONSTRUCTION:

DESK/WALL VERSION



- Stainless steel housing, IP69K NEMA 4X
- Dimension W x H x D:
330 x 239 x 134mm
(13.0" x 9.4" x 5.3")

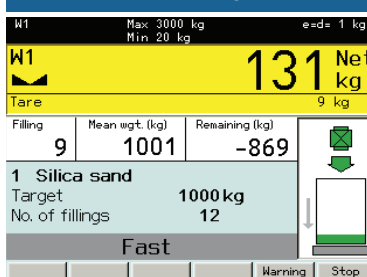
PANEL-MOUNT VERSION



- Stainless steel housing with fascia plate protected to IP69K, NEMA 4X
- Dimension W x H x D:
285 x 224 x 69mm
(11.2" x 8.8" x 2.7")
- Cutout in panel:
268 x 207 mm (10.6" x 8.1")

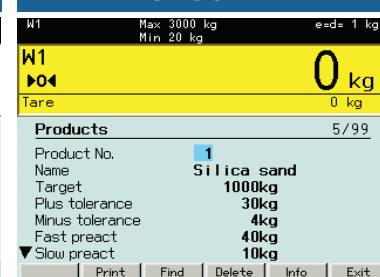
DISPLAY / OPERATION:

FILLING



Filling with display of product data and deviation from target weight

PRODUCT FILE



Template for entry of product data in product file, softkeys for simple operation

Directives: 2009/23/EC, 2004/108/EC, 2006/95/EC, 2004/22/EC

Standards: EN 45501, OIML R76-1, EN 61000-6-2, EN 61000-6-3, NAMUR NE21, EN 60950, OIML R61,



EC approval as non-automatic weighing instrument, MID type approval certificate as AFGI



NTEP approval as indicating element



ETL certified in accordance with UL 60950-1 and CSA C22.2 No. 60950-1



EMI compliance with FCC Part 15



Measures Canada: Approval as non automatic weighing instrument



Ukraine: Approval as non-automatic weighing instrument