



FEEDamatic 77 Series Loss in Weight Feeder — Continuous Flow —

Maintain exact flow rates, even with
non-free flowing materials

The FEEDamatic 77 Series Loss in Weight Feeder delivers a continuous, reliable and uninterrupted flow of material. This Loss in Weight Feeder is ideal in applications requiring accurate, continuous feeding or blending of material at flow rates of up to 1400 ft³ /hr (40m³ /hr).

The FEEDamatic 77 Series Loss in Weight Feeder can be equipped to handle a variety of both powder and granular materials. The feeder can be mounted directly under a bin for free flowing materials or under a filling screw for difficult materials. The feeder outlet screw can be customized to various lengths and outlet shapes to accommodate the specific needs of your system.

Features:

- Weight-based accuracy avoids volumetric/density errors.
- Continuous uninterrupted flow eliminates pulses to process equipment and more consistent batches.
- Simple calibration — material independent.
- Low maintenance, high accuracy, high reliability.
- Standard digital and analog control points for integration with any PLC control system.
- Supports major network protocols, including Allen Bradley Device Net, Siemens Profibus, Ethernet, and Modbus.
- Operates in a wide range of temperatures and environments.
- Multi-language operator display that can be changed during operation.
- Mass flow hopper design for even flow with no “dead spots” creating hygiene or product change-over problems.



FEEDamatic 77 Series

Operation

FEEDamatic 77 Series Loss in Weight Scales deliver uniform flow of material at the exact selected rate, regardless of changes in material characteristics. Inside the FEEDamatic 77's mass flow weigh hopper, material discharges as continuous loss-in-weight sampling reveals the actual flow rate. Several times each cycle, the discharge rate is adjusted to match the actual flow rate to the selected rate. To ensure uninterrupted flow, the controller automatically refills the weigh hopper at the end of the cycle before the hopper empties.

General Specifications

Accuracy

Accuracy percentage $\pm 0.2\%$ absolute

Electrical

Voltage 110/220VAC Frequency 50/60 Hz Power 115VA

Digital Inputs

4 Optically Isolated Inputs

start, stop, hold, alarm acknowledge

Digital Outputs

6 Optically Isolated Outputs

alarm condition, target reached, accumulation pulse, operating indicator, running indicator, pretarget warning

Analog Outputs

Rate Output 4-20 mA active output

Compressed Air

 (Clean, dry for upper gate)

Pressure 80psi (5.5 bar) Consumption 0.5 cfm (14 l/m)

Aspiration

Consumption 10 cfm (280 l/m)

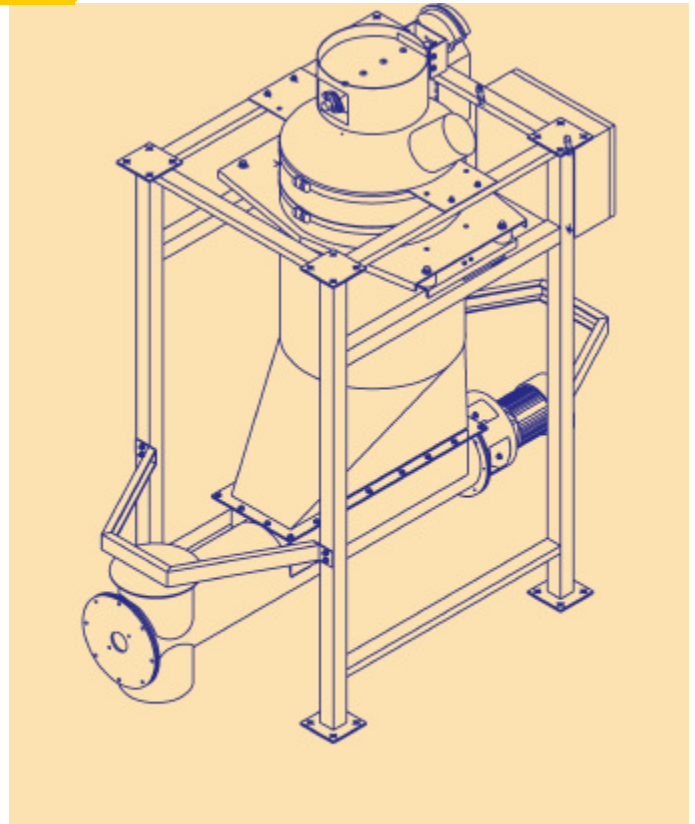
Network Communications

Network Support (Optional) Device Net, Profibus, Ethernet, Modbus

Environmental Rating

Controller at Faceplate NEMA 4

Scale body available for most operating environments



Comptrol SMART Controllers ... The Intelligent Solution

Comptrol's SMART Scale Controllers provide the ultimate in operating efficiency. The controller has the following features:

- Wide viewing angle VFL display with written –not coded– messages.
- Simultaneous displays for the throughput rate, weight, rate target, gate positions and scale status.
- Custom name plate labeling for easy stream identification
- Multi-language operator display - change languages on-the-fly.
- Supplied with programmable digital pulse outputs. Optional 4-20 mA analog output, and various industry standard networks are available.
- Outputs for Light, Horn, or PLC. Control signals for target reached and remote stop/start.



The logo for Comptrol Technologies Inc. features a stylized blue wave graphic to the left of the company name. 'Comptrol' is written in a large, blue, serif font, and 'Technologies Inc.' is written in a smaller, blue, sans-serif font below it.

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