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MAGNE//FLO™ IMPACT WEIGHER FOR HAZARDOUS MATERIALS

The Flow Force Technologies **MAGNE//FLO™ Impact Weigher** is a unique device for measuring the mass flow rate of flowing bulk solids and powders. It is a relatively simple, compact and accurate mass flow meter based on an innovative use of magnetic techniques that allows hazardous materials and food products to be metered and cleaning-in-place to be carried out without fear of damaging the sensor.

The **Series 3 MAGNE//FLO™** is designed for gravity feed applications operating at low, medium or high mass flow rates where a constant fall height is available. A built in check weigh feature ensures that calibration with actual material is only needed at time of initial commissioning.

The Series 3 style has a number of different configurations (3A, 3B, 3C & 3D) to accommodate different types of feed chutes.

The **MAGNE//FLO™ XR-1** Controller tracks and records the number of batches weighed, the maximum, minimum and average flow rates and the total weight.

The unit is supplied as a complete system ready for use after connecting electrical power.

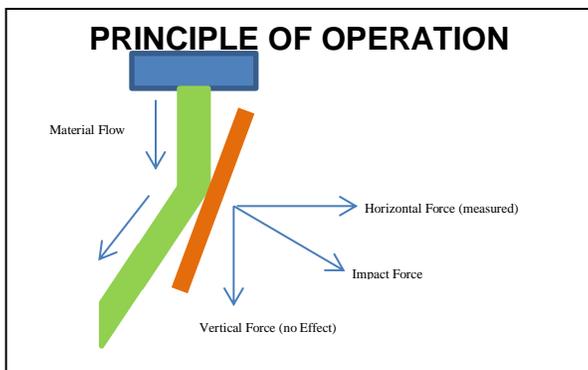
The unit is extremely rugged in construction and does not require any routine maintenance or mechanical adjustment.



SERIES 3B MAGNE//FLO™

FEATURES:

- **SUITABLE FOR USE MATERIALS WITH HAZARDOUS**
- **NON-CONTACT FORCE SENSOR.**
- **BUILT IN CHECK WEIGH**
- **OPTIONAL BUILT IN SWEEP SAMPLER**
- **TOLERANT TO:**
 - **OVER-LOAD**
 - **MATERIAL BUILD-UP**
 - **CLEANING-IN-PLACE**
- **OPERATOR-FRIENDLY KEYPAD.**
- **LOCAL OR REMOTE MODE.**
- **CUSTOMISED AS NEEDED.**
- **LOCAL MANUFACTURE.**
- **ACCURACY +/- 1%**
- **ON SITE CALIBRATION**



APPLICATION DATA

Selection of the most suitable model for the application is based on an assessment of Feed Path Dimensions; Material type; Bulk Density; Max. Particle Size; Max. Temperature; Angle of Repose; Max/Min. Flow Rates; Purpose of Measurement; Operating Conditions; Accuracy Required.

Australian Patent No. 2006222696.

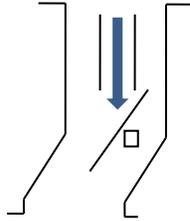
Specification Sheet available at
http://flowforce.com.au/impact_weighers/

CONFIGURATIONS:

Series 3

Method of Feed

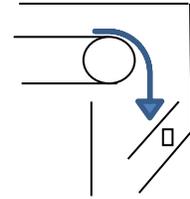
Screw Feeder
Slow Speed Conveyor
Air Slide or
Vibratory Feeder



Series 4

Method of Feed

Screw Feeder
Slow Speed Conveyor
High Speed Conveyor
Air Slide
Vibratory Feeder



MECHANICAL DATA:

Inlet/outlet flanges:	To customer Specification
Dimensions:	According to application
Anti-wear material:	Bisalloy; Stainless steel.
Construction Materials:	Stainless Steel or MS Painted
Flow Range:	100 kg/h to 1,000 tonnes/hr

APPLICATIONS:

- Alumina
- Cement
- Coal
- Grain & Fodder
- Mineral sands
- Sugar

XR-1 CONTROLLER:



Local Agent: