

Accuracy: $\pm 0,5\%$
Available in 3 standard width 1400, 1600 and 1800
Easy maintenance and commissioning
Flowrange 420 to 600 m³/h



DOSING:
Cement,
Construction materials,
Gypsum, Steel, Mines,
Etc.

GIGRAVIT



- ✓ Modular construction
- ✓ Adapted and smooth surfaces
- ✓ High rigidity: welded girders
- ✓ Auto-centring belt system
- ✓ Flow range: 1:10 ; 1:20 ; 1:100

Function:

The material flows from the stocking silo through the inlet onto the belt and is conveyed to the weigh bridge.

Taking into account the conveying distance between the weigh bridge and the discharge point, the flowrate is calculated according to the belt speed and the load measured at the discharge point.

The flow rate is kept constant by the SCM 2 controller at the weighfeeder discharge point by modifying the belt speed according to the load measured and the setpoint applied.

Controller:

Informations and signals from the feeder's sensors directly reach the controller which calculates the flowrate-totalization of the regulation signal.

Detailed alarm informations are obtained via the display (SDU).

* SCM2 Field or Panel version:

see : *SCM2F-260.001-E. or SCM2-P.260.001-E.b*



SCM2-Panel



SCM2-Field



SDU

Options:



Spillage Conveyor:

One ore more side scraper(s) driven by two side chains recover the particles that escaped from the weighfeeder and bring them back to the common discharge point

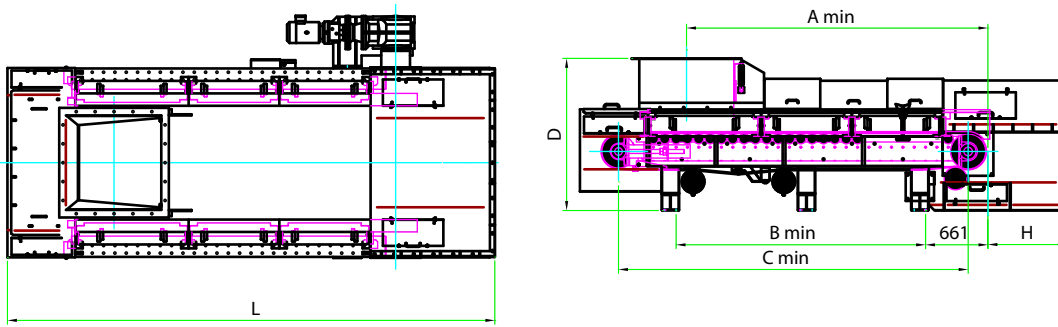
Hammer gate:

This gate limits the height of the extraction section while enabling the passage of oversized material lumps, the mobile elements (hammers) lifting then returning to their original position once the material lumps have gone through.



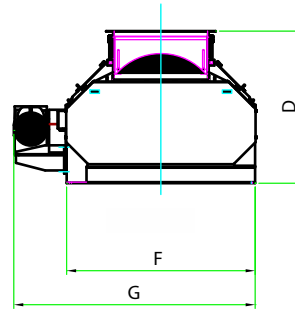
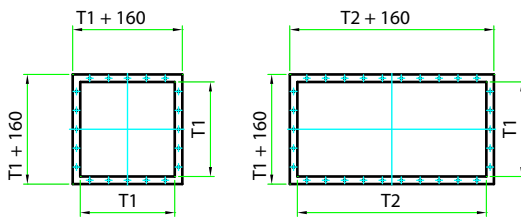
Other options:

- Inlets : Vibrating / elongated / rock-box
- Paddle wheel
- Rod closing gates / cut-off gates
- Material cover
- High temperature resistant belt
- Digital load cells

Layout


1. Standard inlet

2. Elongated inlet


Dimensions and Flowrates

Given for well flowing material and for a maximum belt speed of 0,3 m/s

| Belt width | L | T1 | T2 | A min | B min | H | C min | D | F | G | Minimum weight [kg] | Flow range [m ³ /h] |
|------------|--------|------|------|-------|-------|-----|-------|------|------|------|---------------------|--------------------------------|
| 1400 | C+1460 | 1000 | 2000 | 1990 | 1440 | 840 | 2500 | 1610 | 1994 | 2560 | 3350 | 420 |
| 1600 | | 1200 | | 2040 | 3100 | | 2194 | | 2760 | 3960 | 520 | |
| 1800 | | 1400 | | 2040 | 3100 | | 2394 | | 2960 | 4440 | 600 | |

Dimensions in mm

The above dimensions are given for each range smallest model.
 Each model is available in 600 mm length pitches.
 For further details please ask our general layout.
 For an elongated inlet, a pitch must be added.

Technical data

| | |
|----------------------|-------------------------------|
| Motor | AC |
| Protection class | IP55 |
| Rating | 2,2 - 9,2 kW |
| Gear unit | Planetary gearbox |
| Transmission | Coupled on head drum |
| Working temperature | -20°C to +60°C |
| Speed sensor | Digital encoder |
| Girders and cover | Steel |
| Conveyor belt | Rubber: endless vulcanized |
| Corrosion protection | Primer, Finish coat |
| Color and coating | RAL 5000, 80 µm standard blue |