

Superior by All Measure



PRECISE FLOW CONTROL OF AGGREGATE FROM SAND TO ROCK

Take the guesswork out of blending, batching or loading aggregates from fine sand to six inch rock using the Tecweigh Control Gate. You control the amount of material flow. Eliminate expensive vibratory feeders, belt feeders and apron feeders. The cost to install a Tecweigh ControlGate System is typically one half to one third the cost of a traditional flow control system using these types of feeders. Install it and forget it. The Tecweigh Control Gate is virtually maintenance free. Its galvanized steel construction can take a constant pounding. The low maintenance design features a permanently lubricated motor, gearbox and bushings. The permanently sealed position sensor resists corrosion. The wear strip and gate closing seal can be replaced in minutes and chain adjustment is a simple matter of turning the take-up screws. Add the optional replaceable wear liner plates, made from abrasion resistant steel, for even longer life.

CG-10 Control Gate Features

- Hot dip galvanized, heavy duty steel channel frame, welded construction with mounting flange.
- Material flow detector indicates flow/no flow status to the controller.
- Adjustable semi-flexible gate closing seal provides positive material cut-off, yet is tolerant of larger aggregate.
- Adjustable limit switch restricts gate travel to a pre-set limit.
- Precision position sensor indicates the gate opening percentage.
- Permanently lubricated, 3/4 HP, AC motor with heavy duty reducer.
- Brass slide rails.
- Gate can be manually controlled by opening it and observing the flow.
- NEMA 12 junction box for electrical connections.
- Manual hand crank for emergency gate closure.
- CG30 Gate Controller Features
- Displays gate position (% open), set point and status messages.
- Optional timer that will automatically close the gate after a user input time set-point.
- Displays, when enabled, open time set-point, elapsed time.
- Bright, easy to read, 1/2" and 5/16" LED displays.
- Remote analog setpoint input. 0/4-20ma or 0-5vdc.
- Gate position input from 5K ohm potentiometer,
- 28-30vdc powered.
- Two dedicated Gate Open and Gate Close relay outputs for control of reversing motor starter.
- Two programmable relay outputs.
- 4-20 mA analog gate position output.
- Two programmable dry contact inputs.
- Open and Close limit switch inputs (required for Auto Calibration).
- RS485 serial port for full remote control and data collection.

Other Options

- Replaceable wear liner plates - abrasion resistant steel.
- Industrial Network Protocols (Ethernet, Modbus, Profibus, Devicenet)
- Various electro-mechanical gate controllers

The Longest Warranty In The Industry

Every Tecweigh Control Gate is covered by our exclusive

(5) year warranty

Control Gate Technical Data

Gate Opening	"8"x12"	12"x16"	16"x22"	20"x28"
Overall Dimensions (WxLxD)	17"x40"x12"	21"x44"x12"	25"x56"x12"	29"x68"x12"
Capacity	Depends on material flow characteristics – consult factory for sizing			
Motor	3/4 HP	3/4 HP	3/4 HP	3/4 HP
Weight	185 lbs.	235 lbs.	275 lbs.	350 lbs.
Material	"Galvanized steel standard"			
AvailableControl	CG30 with LED gate position, set point and status messages.			



1201 N Birch Lake Boulevard
St Paul, MN 55110

Let us show you how affordable and easy aggregate loadout, batching, and blending can be. Contact your local Tecweigh representative or call the factory for a free installation analysis

1-800-536-4880

tecweigh.com

