



Montag Manufacturing, Inc
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GEN 2 System Calibration

Flow Control Valve = PWM Closed / 12 Volt / 110 Hertz

Meter Control Valve Cal # = 1023

Auger Drive = 3.14 to 1 Ratio

Meter Speed Sensor = Eaton 12 Volt 60 Pulse

Meter Speed Sensor Cal # = $60 \times 3.14 = 188$ (pulses per auger revolution)

Low limit/High limit = 10-150 Max

Tank Capacity = 150 cubic ft. or 120 bushels (ea.)

Displacement per Row = 0.0026 Cubic Ft./Rev.

CFR (cubic ft / Rev) = Displacement per Row X Number of Rows = CFR

Lbs Per. Revolution = CFR X Density

Adjust CFR Actual Rate or Scale weight X Current CFR = New CFR Cal#

Desired Rate or Weight displayed on controller

“MontagCalc” App is available on PlayStore to verify calibration

For RC2000 Settings, see opposite side



RC2000 Setup - GEN 2

Recommended settings for dry only operation of Montag GEN 2 w/ RC2000

Verify these settings are correct for your application with your Deere dealer

Type: Air Cart

Application Mode: Granular Multi-Section (RPM maintained)

Setup Sections | Number of Sections: Enter number of sections

Check "Equal Width Sections" box

Setup Aux Functions: Not used

Setup RPM Sensor Assignment: Check only if using fan pressure sensor

Setup Control Valve | Control Valve Type: PWM Close

Valve Response Rate: 43

Control Dead Band: 2

Setup PWM | Coil Frequency: 110 hz

High Limit: 100%

Low Limit: 25%

PWM Startup: 35%

Product 1 Granular | Pulses/Revolution: 188

Product Density: Enter your fertilizer density (lbs/Cubic Feet)

Calibration Weight: $.0026 \times \# \text{ of Rows} \times \text{Density (lb/Revolution)}$

Setup Tank | Tank Capacity: 9500/Tank

Low Tank Level = Operator preference

Setup Rates: Operator preference

Setup Alarms: Operator preference

Run Diagnostics Granular Flow Check BEFORE filling tank

