

PWM Motor Controller

AUTOMATES VARIABLE-RATE CONTROL BY DIRECTLY REGULATING THE ELECTRIC PUMP MOTOR INSTEAD OF A VALVE.



MSC-MOD
PWM MOTOR CONTROLLER

Precision Pressure Control. No Hydraulics Required.

The BENCO PWM Motor Controller eliminates your regulating valve on a precision ag setup. It translates the Pulse Width Modulation signal from your field computer to regulate system pressures via the pump like our other motor controllers.

The PWM Controller can adjust the pump speeds much faster than a regulating valve, giving you extremely accurate application rates for systems equipped with section control or variable-rate field maps. PWM Controllers are also popular with farmers that are have bigger setups and need to free up a hydraulic circuit on their tractor.

- Compatible with ANYTHING that sends a PWM signal
- Replaces the regulating valve
- Automatically adjusts flow rates faster than valves
- Utilizes affordable electric pumps
- Frees up precious hydraulic circuits on your tractor
- Simple installation
- Comes with all wires to connect to existing harness
- Engineered for guaranteed performance
- Backed by BENCO's full one year limited warranty

BENCO Motor Controllers



Control Your Pump Motor.
Control Your Pressure.
Control Your Application.
Control Your Profits.

Get precise control of your liquid application rates without the precision ag price tag.



BENCO
PRODUCTS, INC.

Innovative Solutions for Modern Farming

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What it does.

BENCO Motor Controllers are a simple, affordable little box that will very accurately regulate the system pressure in your planter, sprayer, or any system using electric pumps. It does this by regulating the flow of power to the electric pumps, like a dimmer on a light.

Most BENCO motor Controllers are simple manual devices. You manually adjust the pressures simply by turning a knob on the box in your cab.

The integrated pressure gauge shows you the precise pressure in the system so you always know the liquid application rate to the field.

A BENCO Motor Controller may not exactly be precision farming, but it gives you a lot more control for a lot less money.

Part Number	Description
MSC30-DD	12V Motor Controller w/ Digital Gauge (30 Amp)
MSC-30-NG	12V Motor Controller NO Gauge (30 Amp)
MSC30-SSG	12V Motor Controller w/ Analog Gauge (30 Amp)
MSC-MOD	PWM 12V Variable Motor Speed Controller (30 Amp)
217012	Replacement Pressure Transducer for MSC30-DD
215650	Motor Cable (15 Feet)
215651	Motor Cable Extension (20 feet)
215652	Battery Cable (10 Feet)

Call 605.213.1010 for pricing

Why you want one.

BENCO Motor Controllers are a popular solution for farmers that **want more control of their application rates, but can't justify the cost of a full precision setup.** Motor Controllers allow you to manually fine-tune pressures (and therefore application rates) with a twist of a knob from the cab of your tractor.

BENCO Motor Controllers allow you to **change application rates without getting out of the cab.** Apply different application rates to different fields, or sections of a field, without changing your setups or even slowing down. If you know the correct pressures for the different areas, just adjust the knob and keep on going.

BENCO Motor Controllers use electric pumps. **Electric pumps are affordable and controllable.** We can control system pressures extremely accurately with just the pumps, eliminating the need for control valves. Plus, you will often see longer service life on the pumps when they are pumping at system pressure instead of pumping against a control valve.

BENCO Motor Controllers work with your existing setup. **There are no extra components to buy.** The only requirement is that your system uses electric pumps.

BENCO Motor Controllers have been around for 15+ years and are still a **the best quality motor controller on the market.** We've seen other competitors pop up and fade away over the years, but no one can match our quality and reliability.

If you are interested in white label solutions, we offer a **wholesale program for volume buyers** that can include your own custom label with your logo.

BENCO's Line of Manual Motor Controllers



MSC30-DD

MSC30-DD
DIGITAL PRESSURE DISPLAY

No liquid in the cab. Easiest to read.
Comes with 20' remote pressure transducer cable.



MSC30-SSG

MSC30-SSG
ANALOG PRESSURE GAUGE

Must plumb liquid into cab. Old school reliability.
Completely analog solution. No digital parts.



MSC30-NG

MSC30-NG
NO PRESSURE GAUGE

No liquid in the cab. Easiest to install.
Ideal for use with OnSite FMS to monitor flow rates.

PWM Motor Controller



MSC30-MOD

MSC-MOD
PWM CONTROLLER FOR PRECISION FARMING SYSTEMS

Works with any PWM signal. Replaces the control valve.
Faster adjustments than valves. Frees up a hydraulic circuit.