

# FREEDOM

## CONTROL SERIES



CONTROL SYSTEMS  
FOR MEDIUM-DUTY  
TRUCK APPLICATIONS

Component Technology  
A DIVISION OF  
CERTECH POWER, INC.

### FREEDOM MDC CONTROL SERIES

FULL LINE OF ELECTRONIC SPREADER CONTROLS  
RESERVOIRS & ENCLOSURES HYDRAULIC SYSTEMS AND COMPONENTS  
ENGINEERING DESIGN AND PROTOTYPING SERVICES

# FREEDOM

## CONTROL SERIES



*FREEDOM Model MDC*



*ServiceGuard/ValveGuard Reservoir & Enclosure*



*Integrated Hydraulic Valve*



*Pump/Installation Kit*



*ServiceGuard/ValveGuard Reservoir & Enclosure*

# THE STORMGUARD MEDIUM-DUTY MOBILE SYSTEMS FAMILY

# COMPONENTS FOR THE MOST DEMANDING MEDIUM-DUTY MOBILE APPLICATIONS

## FREEDOM CONTROL SERIES

Specially designed for Spreader, Hoist and Plow applications, the Freedom MDC Control Series provides:

- FREEDOM From Wires
- FREEDOM From Labor
- FREEDOM From Maintenance
- FREEDOM From Cab Mounting Issues

### Benefits Include:

- Provides remote operator control of electric over hydraulic functions
- Functions combine the proportional spreader including the auger and spinner, with the On/Off truck hoist and the snow plow functions
- The system consists of a spreader module, a plow/hoist control module and an output module
- Modules are connected by a power and ground wire. Modules communicate with one another through a high speed serial bus system
- Inputs for Hoistup indicator, vehicle reverse for automatic plow raise operation and future ground speed applications
- Programmable spreader control for various valves and control ranges

# Storm Guard

## IN-CAB PLOW & HOIST CONTROL

- Easy push-button backlit Hoist and Plow controls with auxiliary functions for V-plow designs
- Programmable plow float function with LED indicator
- Hoist/Body "Up" indicator
- Automatic back-lighting control with ambient light sensor for day/night visibility
- In-cab 12 Volt accessory plug design for easy installation and removal of control module

## ENGINE MOUNTING KITS & CLUTCH PUMP ASSEMBLIES

- Hydraulic pump Engine Mounting Kits engineered for ease of fit and installation for Chevrolet, Ford, International and most others
- Pumps from .62 cu/rev to 2.48 cu/rev for various flow ranges and applications
- Pump pressures to 3800 psi and higher if needed
- Side and rear pump porting options
- V-belt and Serpentine pulley style clutches for various engine applications

## SPREADER CONTROLS

- Controls for Auger/Conveyor and Spinner
- LED display for material rate and lane width and programming fields
- Blast and Pause functions
- Automatic back-lighting control with ambient light sensor for day/night visibility
- Easy push-button backlit Auger and Spinner control switches
- In-cab 12 Volt accessory plug design for easy installation and removal of spreader module



## RESERVOIRS & ENCLOSURES

- ServiceGuard combines the hydraulic fluid reservoir and valve enclosure into one convenient unit
- Bulkhead design that does not require internal tubing and hoses, eliminating leak and service points
- Reservoir/Enclosure can be used with manual, electric, hydraulic, or air-controlled valves
- Protects valve and electronics from ice, snow, dirt, road salt, etc.
- Optional separate valve enclosure and reservoir for various frame mounting configurations
- In-tank filter, breather, sight/temperature gauge and magnetic plug are standard features
- Optional stainless-steel design

## HYDRAULICS & CONTROLS

- Manifold Style Integrated Hydraulic Valve
- Functions for Hoist, Plow, Plow Angle
- Integrated adjustable flow controls
- Hoist and Plow options for single or double acting cylinders
- Add-on Manifold option for proportional control of spreader functions
- Optional function capability for V-plow systems
- Integrated pressure relief controls
- Input flow range to 30 GPM

# FREEDOM

The StormGuard line from Component Technology, carries on a long tradition of leadership in snow and ice removal equipment. Our commitment to all segments of the market, has resulted in a full line of components designed specifically for Medium-Duty truck applications.

The FREEDOM MDC Control Series is one such example of that commitment. From the operator to the fleet manager we understand the needs of the Medium-Duty truck market. The FREEDOM MDC Control Series takes reliability, ease of installation and maintenance to a whole new level.

Our innovative engineering staff, combined with our diverse product offerings, assures you that whatever your Medium-Duty truck needs we can provide you with a superior system that will do your job right.

*We are here to serve you and believe that our total commitment to your success is the key to our mutual success.*

**Component Technology**

A DIVISION OF  
 **Certified Power Inc.**

## No matter where you are, we've got you covered!

We have locations across the country, and we're still growing. With our broad spectrum of product lines, our network of organizations throughout the U.S. gives us the ability to deliver the right parts, components and services at the right time and the right price.

Chicago, IL  
Component Technology  
847-573-3818  
FAX: 847-573-3836

Minneapolis, MN  
Certified Power, Inc.  
800-289-1330  
FAX: 952-890-0381

New Berlin, WI  
Fluid System Components, Inc.  
262-827-2700  
FAX: 262-827-2711

Chicago, IL  
Master Mechanic  
800-877-8350  
FAX: 847-573-3836

Minneapolis, MN  
Component Technology  
800-888-7411  
FAX: 952-721-4669

Elkhorn, WI  
Certified Power, Inc.  
Driveline Division (Formerly  
Pump Drives, Inc. and North  
American Engineering & Mfg.)  
262-723-2944  
FAX: 262-723-2785

Des Moines, IA  
Component Technology  
800-333-7411  
FAX: 515-244-4204

Perrysburg, OH  
Component Technology  
800-374-7411  
FAX: 419-873-8511

St. Louis, MO  
Component Technology  
800-999-7411  
FAX: 314-344-8554

Green Bay, WI  
Fluid System Components, Inc.  
920-337-0234  
FAX: 920-337-0577



**Component Technology**  
A DIVISION OF  
 Certified Power Inc.

Certified Power, Inc.  
Corporate Headquarters  
847-573-3800  
FAX: 847-573-3832

[www.certifiedpower.com](http://www.certifiedpower.com)  
e-mail: [cpi@certifiedpower.com](mailto:cpi@certifiedpower.com)