

Omni-System[®] Plus

CONTROL SOLUTION



Omni-System® Plus

The Omni-System Plus is a high-level technology solution for snow and ice control systems that increases reliability and revolutionizes the way in which your fleet is operated and maintained. This system includes integrated CAN-BUS technology to minimize wires and improve reliability. With features like remote diagnostic support via Wi-Fi, flow sharing, cartridge valve technology, multi-camera functionality, video playback, and enhanced data-logging, we're changing the game—big time.



HYDRAULIC PRESSURE SETTINGS

FUNCTION	DESIGNATION	DEFAULT (PSI)	RANGE (PSI)	ADJUSTED
Main Relief	TS3	2,200	1,500-3,000	Electronic
Clipper Relief	RV2	1,600	300-3,500	Mechanical
Boost	RV1	200	0-500	Mechanical
Spreader	RV3	1,600	300-3,500	Mechanical
Plow Up	RV5	2,000	300-3,500	Mechanical
Plow Down	TS2	600	0-1000	Electronic
Hoist Up	RV4	2,500	300-3,500	Mechanical
Hoist Down	TS1	600	0-1000	Electronic

FUNCTION	MAX FLOW (GPM)	DIFFERENTIAL (PSI)
Inlet Flow	50	200
Plow Up	15	200
Plow Down	23	200
Plow Angle	23	200
Hoist Up	32	200
Hoist Down	32	200
Spinner	15	200
Auger	15	200

KEY FEATURES



INTERNAL GPS ANTENNA

Prevents operators from disconnecting GPS tracking



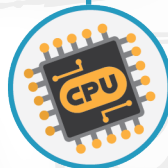
DRIVE-BY DOWNLOAD CAPABILITY

Integrated with Wi-Fi connectivity



REMOTE DIAGNOSTICS

Remotely connect to Muncie Power for setup and diagnostic assistance



NEW CONTROL PANEL

New rigid construction better protects electrical hardware



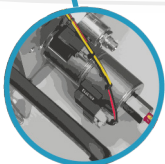
EXPANDED CAPABILITIES

Improved operator performance and processing capability



LARGER 7" TOUCHSCREEN

Vivid, easy-to-read capacitive touchscreen



CARTRIDGE VALVE DESIGN

Premium solution for hydraulic circuits: reduces internal hose connections for simpler install, easier to service, and includes flow sharing to keep all functions operating

INNOVATIVE CAMERA CAPABILITIES



SAFETY

Operator has clear line of sight of obstacles, including people that may be standing nearby



MATERIAL CONSERVATION

Easily view the spread pattern & better utilize granular materials being output from the system



EQUIPMENT CONSOLIDATION

Reduce installation time and wiring complexity by utilizing one display for both spreader control and camera viewing



CAMERA WASH

Cameras are compatible with various camera wash systems



DIGITAL VIDEO RECORDING (DVR)

Record up to 2 channels simultaneously and export files onto a USB drive or 32 GB SD card



JOYSTICK CONTROL OPTIONS

Multiple joystick configurations available for optimum cylinder control

VIDEO PLAYBACK CAPABILITIES



SYSTEM SETUP

Preloaded training videos guide personnel on how to setup and calibrate the Omni-System Plus



VIDEO PLAYBACK

Shorten the learning curve for new operators with preloaded onboarding videos in the controller to be viewed in cab



AIR & ROAD TEMP SENSOR

Provides operators with current and accurate data to make application decisions



INTUITIVE CONTROL SETUP

Turnkey ready system is easier to setup and operate





CONNECT, VIEW, AND RECORD:

4 CAMERAS TO MONITOR YOUR VEHICLE



BACKUP

Operators have increased safety by enabling them to view what's behind the truck with ease.



HOPPER

Easily monitor the salt level by orienting a camera toward the hopper. This means less time guessing how much salt the operator has remaining and more time on the road.



SPREADER

Operators can clearly see their spread pattern, allowing them to not overspread material onto the road.



WING

Effortlessly view the side of the truck where the wing plow will be deployed to ensure safety.

(more features listed on inside panel)

INSTALLATION INSTRUCTIONS



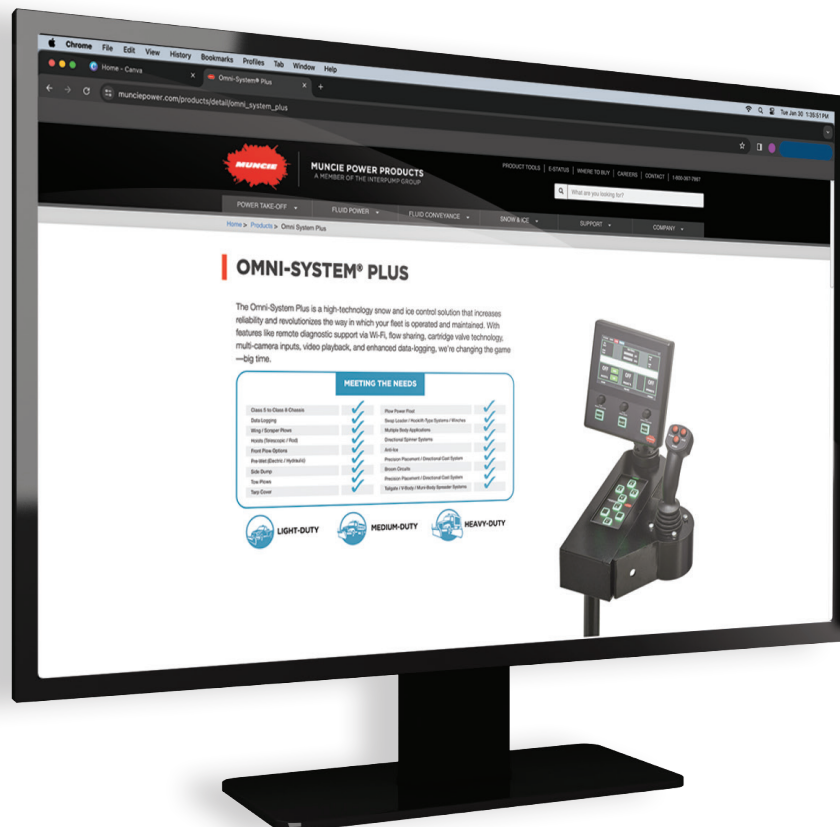
IN20-09 Omni-System & Omni-System Plus Installation Manual



IN21-05 Omni-System & Omni-System Plus Installation & Parts Manual



IN20-03 Omni-System Plus Operation & Configuration Manual



MEETING THE NEEDS

Muncie Power Products has developed industry leading hydraulic and control solutions for a variety of snow and ice applications. The Omni-System® Plus works on the applications below:



Class 5 to Class 8 Chassis	✓
Data Logging	✓
Wing / Scraper Plows	✓
Hoists (Telescopic / Rod)	✓
Front Plow Options	✓
Pre-Wet (Electric / Hydraulic)	✓
Side Dump	✓
Tow Plows	✓
Tarp Cover	✓
Plow Power Float	✓
Swap Loader / Hooklift-Type Systems / Winches	✓
Multiple Body Applications	✓
Directional Spinner Systems	✓
Anti-Ice	✓
Precision Placement / Directional Cast System	✓
Broom Circuits	✓
Precision Placement / Directional Cast System	✓
Tailgate / V-Body / Muni-Body Spreader Systems	✓



**Muncie[®]
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Products**



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