



MESP-200AX

SPREADER VALVE MANIFOLD ASSEMBLY



The **MESP-200AX** is a high quality, high performance spreader control valve assembly. The anodized aluminum manifold makes its compact design possible. The unique valve cartridge designs are specifically manufactured for application in mobile hydraulics. The valve cages are one piece instead of two to eliminate misalignment of the sliding surfaces. The spring rates are the highest in the industry to let the moving mechanisms shear through contaminated oil. The proportional flow control cartridges have predictable response for precision control of your spreader and without interaction due to pressure changes.

OPEN OR CLOSED CENTER

Operates with gear pumps or in load-sense circuits with piston pumps

LINEAR PROPORTIONAL FLOW CONTROLS

Accurate control without feedback sensors

FULLY PRESSURE COMPENSATED

Outputs are unaffected by changes in pressure

DIRECT ACTING SOLENOIDS

No pilot pressures to cause unstable non-repeatable response

CONTACT THE SNOW AND ICE DEPARTMENT

by phone at: **1-800-367-7867**

or by email at: snowandice@munciepower.com



MESP-200AX FEATURES

- Low pressure bypass
- Pressure compensated and interactive pressure balance between outputs
- Load-sense compatible
- 25 GPM rated input flow, 3000 PSI maximum rated pressure
- 15 GPM auger/conveyor flow, 5 GPM spinner flow
- Very linear flow control response
- Independent pressure relief cartridge optional
- Inlet, tank, spinner and auger ports – SAE #12

ELECTRICAL SPECIFICATION

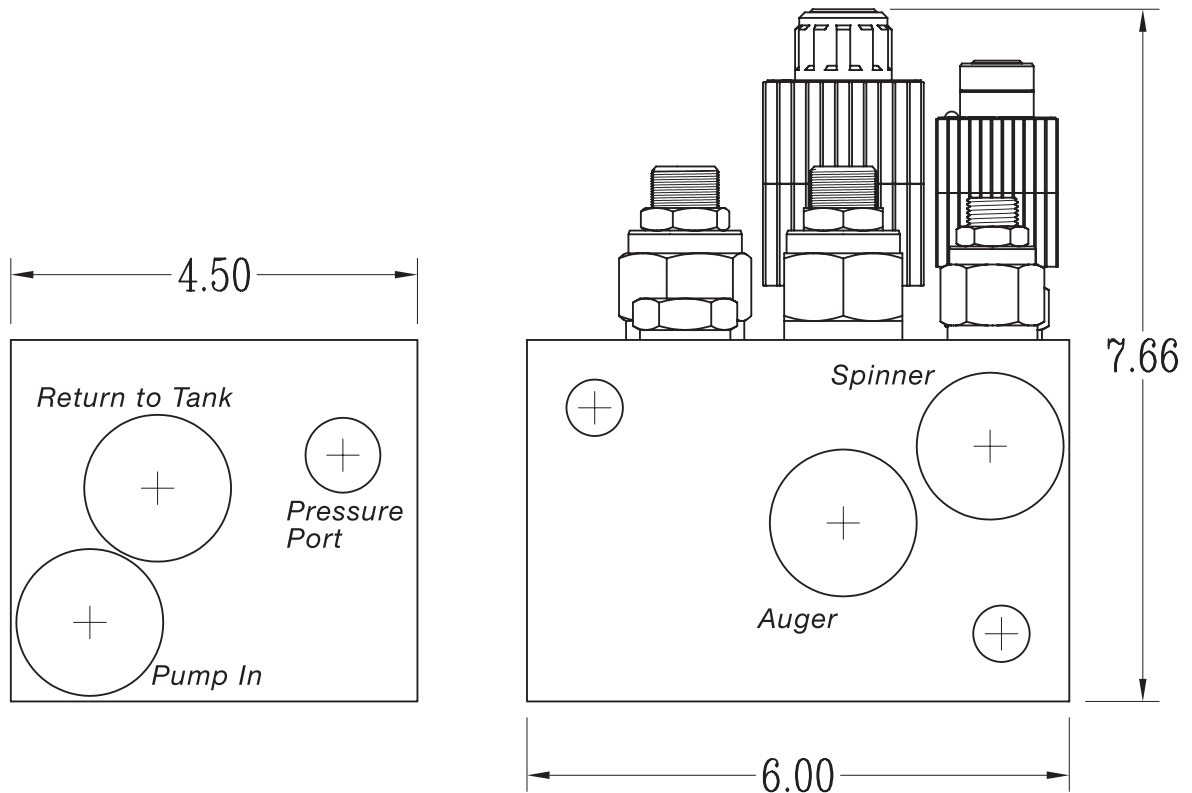
- Operating voltage: 12 VDC
- Current control range: 30-1600 mA and 30-2400 mA typical for spinner and auger/conveyor valves respectively
- 60-100 Hz operation for PWM controllers

ASK ABOUT MUNCIE'S SPREADER CONTROLS

- MESP-401A
- MESP-402D & E

SPECIFICATION

The Spreader Control Valves shall incorporate direct acting proportional solenoid cartridge valves. Each of the two outputs shall be fully pressure compensated to limit flow variance due to pressure changes. A bypass cartridge will be provided for unloading excess oil flow (omit this sentence for load-sense circuits). The assembly shall be designed around an anodized aluminum manifold with SAE #12 ports for inlet, tank and work ports. An SAE #4 port will also be provided for load-sense or pressure gage connection. An Muncie Power Products P/N MESP-200AX or its equivalent is acceptable.



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Muncie Power Products, Inc. Member of the Interpump Hydraulics Group
General Offices and Distribution Center • P.O. Box 548 • Muncie, IN 47308-0548
(765) 284-7721 • FAX (765) 284-6991 • E-mail info@munciepower.com
Web site <http://www.munciepower.com>

Drive Products, Inc., Toronto, Exclusive Agents for Canada, ISO Certified by an Accredited Registrar

