

Model Shown:

24 Point MCS

Pumps



EASY SETUP AND SUPPORTING OPTIONS

The MCS is available from 4 to 128-points, with a tilt function that uses the X-Plane with one reference to level an object through an easy-to-use touch screen HMI (human machine interface). Systems can also include a VPN Router using a 3G or 4G sim card where, remote troubleshooting and system upgrade is possible. Many options are available for pump sizes with flows up to 120 cubic inches per minute. Weatherproofing options are available with some models including a thermostat temperature-controlled enclosure. There is also a data logging feature within the system settings, plug in your USB drive, and capture the lift data for post review.

SAFETY FEATURES

The Power Team Motion Control System (MCS) has numerous safety features built into the digital controller which safely stop the movement in the event of an alarm. In addition, there are backup mechanical features which function even in the event of a power loss.

Digitally Controlled Safety Features		Mechanical Backup Safety Features
Max load exceeded	Hydraulic pump overload	Posi-Check® load lowering valve to hold load and provide a mechanical backup to safely control the lowering of the load.
Max pressure exceeded	E-Stop button activation	
Max displacement exceeded	Pressure sensor wire break	
Datalog	Displacement sensor wire break	Manual lowering override to safely lower load in event of power loss.
System communication error	Accuracy, response velocity and load alerts	

Features

- Systems include 4, 8, 12, 16, 24 jacking points, contact Power Team for larger MCS requirements up to 128 points and manifold systems up to 512 points.
- Positioning, lifting or lowering accuracy of +/- .040" (1 mm).
- Safety features included: full stop due to power failure, sensor failure, pressure overload, tolerance error, uncontrolled load movement, etc.
- Intuitive graphic, touch screen control.
- Displayed information included: startup diagnostics, position of lift points relative to starting position, pressure at each lift point, status of each cylinder and status of alarms.
- MCS works with a wide range of cylinder types, tonnages and strokes to meet your application requirements.
- Operating pressure (up to) 10,000 psi (700 bar).
- Easy setup and remote or on-site support

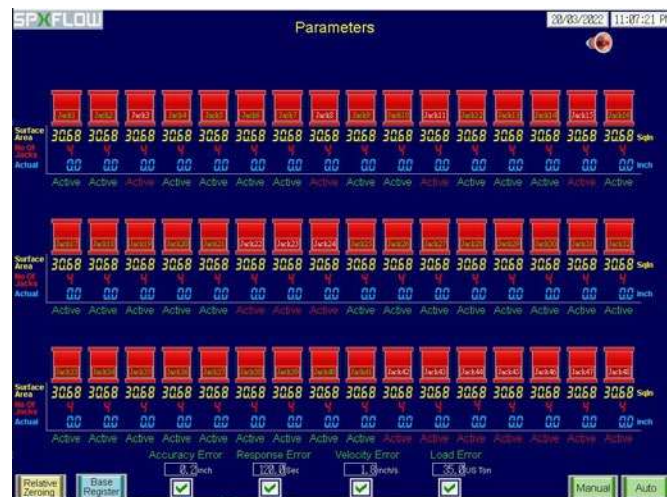


Training Provided



Every MCS includes one day of on-site training at one of SPX's Regional Headquarters (Rockford, IL USA, Singapore or the Netherlands).

Training includes both classroom and hands-on instruction. Travel & lodging not included.

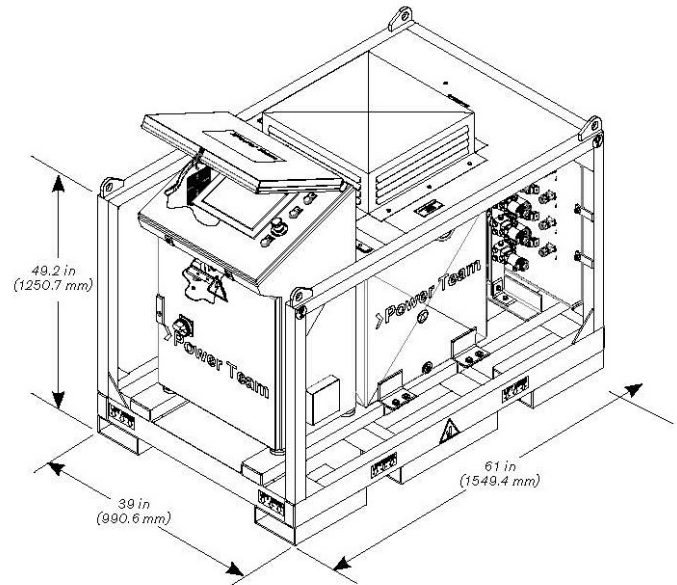


EASY TO USE HMI TOUCH SCREEN INTERFACE

Control is as easy as inputting the height you want to move the object and start the cycle by selecting auto, up and hitting go. The MCS does the work while displaying the feedback you need to monitor a safe successful lift like; pressure per cylinder and distance traveled. The system has the capability to warn you of many potential hazards like, over pressure on a cylinder, line breaks, or out of tolerance warnings.

Model Shown:

8 Point MCS



Pumps

Hardware Included



Crate

Motion Control System (MCS) is protected with a robust cage and reusable shipping container.



Sensors

Linear Displacement Sensors have a range of 19.7" (500 mm) to 39.4" (1000 mm). (Provided in cases with 4 sensors each).



Cables

Standard cables for sensors are 100' (30.5 m) in length, contact for custom sizes.



Plug

Electrical plug female connector allows for quick attachment to your line cord.

Ordering Information

Order No.	Max. Lift Points	Pump Flow	Reservoir Size	Motor Voltage	Control Voltage	Max. Pressure	Valves Included	Transducers Included	Weight w/oil lb (kg)
			gal (L)	hp (VAC)	VDC	psi (bar)			
Contact for order no.	128	55 in ³ /min to 420 in ³ /min @10,000 psi (0.9 L/min to 6.9 L/min @ 700 bar)	40 (150) to 100 (378.5)	1,125 (230) to 10 (230/460)	24	10,000 (700)	3P-4W and 2P-2W	Pressure and Linear Position	Varies per model



The Power Team Motion Control System (MCS) can be used in many hydraulic applications where load position is critical, requiring cylinder synchronization.

