



MLS Maguire Loading System

Efficient and simple design

The Maguire Loading System provides all the benefits of a mini-central system with the added convenience of being compact, easy to reposition and low maintenance.

Full view of the material loading

Direct view of material loading makes it easy for the operators to monitor operation and adjust set conveying times.

Reduction of clogging

Clogging is reduced with a patented deceleration chamber that facilitates separation of material from the air stream and a fast-action slide-gate that prevents pellet entrapment during material discharge.

Easy access for cleanout

The top cover of the receiver includes the vacuum valve, material inlet and cleanout port.

The MLS Maguire Loading System controller

Two types of control – a basic 8 receiver control or the advanced FlexBus control which is expandable to 5 vacuum groups and 48 receivers per pump.

Easy setting of fill time

Simplifying conveying setup, the push-button activation of the 'Autofill' software sets the fill-time for each receiver.

Automated loading

The controller sequences through the various receivers, loading each as either First-In-First-Out or priority loading, depending on your requirements.

Load conveying alarms

A load-failure alarm with reset is incorporated in the controller.



Choice of compact vacuum pump

The power unit is portable and is available with a 1, 2.5, 5 or 10 HP pump / .75, 1.9, 3.7, 7.5 k/W pump.

Modular layout

The modular layout of the MLS system allows you to expand as your plant grows.

48 receivers per vacuum group

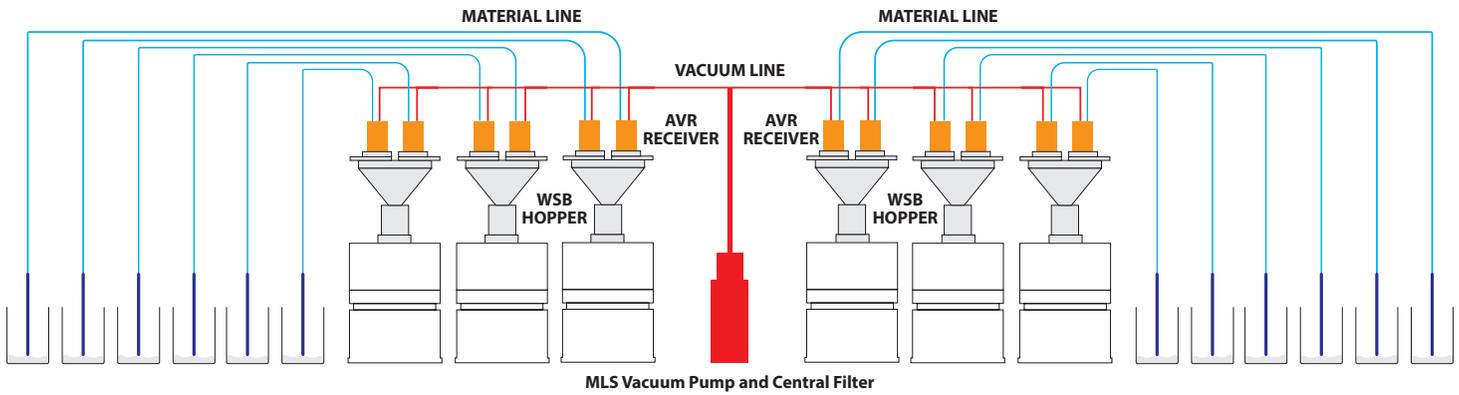
The basic MLS controller controls up to 8 receivers as standard. The FlexBus control system is capable of controlling up to 5 vacuum groups and per vacuum group up to 48 receivers, allowing the system to grow with you.

MLS FlexBus warranty

All components, except for consumables, are covered by Maguire's 5 year warranty program for the MLS product line.



MLS Maguire Loading System



MLS Vacuum Pump and Central Filter

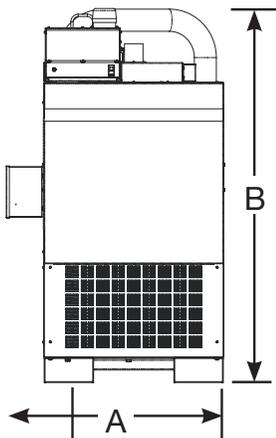
Include pump, dust collector and controller 1, 2.5, 5 and 10 Hp
(.75, 1.9, 3.7 and 7.5 k/W)

MODEL	Hp	k/W	A		B		C	
			in.	cm	in.	cm	in.	cm
MLS-180	1	.75	20	51	48	122	23	58
MLS-280	2.5	1.9	20	51	48	122	23	58
MLS-580	5	3.7	20	51	48	122	23	58
MLS-1080	10	7.5	36	91	58	147	23	58

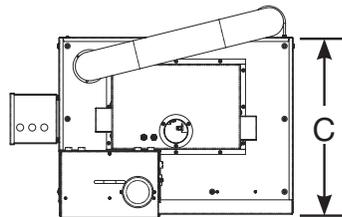
GHR / AVR Receivers

1, 10 and 20 lb capacities (.45, 4.5 and 9 kg)

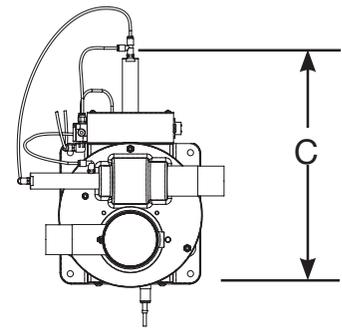
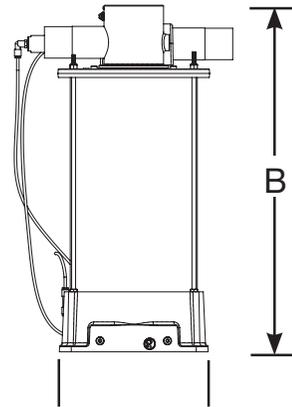
MODEL	lb	kg	A		B		C	
			in.	cm	in.	cm	in.	cm
AVR-1 & -1.5	1	.45	8.25	21	14	36	12.17	31
AVR-101 & -102	10	4.5	9.375	23.8	21.7	55	18.125	46
AVR-201 & -202	20	9	9.375	23.8	35.8	91	18.125	46



MLS Vacuum Pump and Central Filter



GHR / AVR Receivers



Cyclone Dust Collector

Protects the vacuum pump and reduces filter maintenance by collecting up to 99% of fines

Part Number	CDC-20		CDC-25	
	U.S.	Metric	U.S.	Metric
Characteristics	U.S.	Metric	U.S.	Metric
Pump power	5 hp	3.7 k/W	6.2hp	4.6 k/W
Inlet O.D.	2"	5.1 cm	2.5"	6.35 cm
Air Volume	100 cfm	170 m3/hr	160 cfm	272 m3/hr
Height	58"	147cm	62"	158 cm
Base diameter	27"	69 cm	32"	81 cm
Shipping Wgt.	170 lb.	77kg	190 lb.	86 kg



Expandable to meet your needs

Maguire's MLS FlexBus System can operate with up to 5 vacuum pumps and 240 receivers using a single central FlexBus control.

Add as you grow

Allowing you to avoid the guesswork associated with central system conveying, our systems use a single wire to connect all receivers (48 per pump) in the system to expand to meet your needs.

Two steps to easy operation

1. Determine the number of receivers to be included in your system and confirm conveying rates and efficiency with your Maguire representative.
2. Determine cable lengths, allowing for normal routing between loading stations, around obstructions, wire paths, etc.

Central vacuum system efficiency

Utilizing a 3-phase vacuum pump to supply multiple vacuum receivers is much more efficient than using separate vacuum loaders.

Easy installation

Install a single wire and conveniently located drops to connect the control to all receivers and pumps.

System grows with your needs

Each FlexBus central control allows addition of up to 5 pumps and up to 48 receivers per pump for a total of 240 receivers.

Local receiver control

Provides ON/OFF and loading time convenience. No need to run back to the central control.

Full featured central control

Adjustable load, unload, priority, proportioning, purge, blowback and alarm settings.

System compatibility

The Maguire FlexBus loading control system integrates with the existing range of Maguire conveying equipment, but can readily integrate with many other manufacturers equipment. This allows users to benefit from the latest controls that utilizes the equipment and expand your Maguire Conveying as required.



No wiring required, simply plug-in and run

UP TO
48
RECEIVERS
PER PUMP

UP TO
5
VACUUM
GROUPS



Specification

FlexBus Loading Controller (Maguire MLS System)

Part # FB-MLSS1 (1155 VAC)
Part # FB-MLS2 (230 VAC)



- One control for each system
- 7" Color Touch Screen
- Control up to 5 pumps & 240 receivers (48 receivers per pump)
- Auto ID of receivers for easy system expansion, no manual configuration
- Includes power supply and pump control board
- Audible and Visual Alarms
- Single wire CANbus connectivity
- Adjustable load, unload, priority, proportioning, purge, blowback and alarm settings
- 24 VDC Control Voltage

FlexBus Vacuum Pump Control Module

Part # FB-PC (24 VDC)



- One Control Module for each vacuum pump
- CANbus system interconnect
- Easily retrofit to existing pumps
- 24 VDC output for pump control
- ON/OFF control

FlexBus Receiver Control Module

Part # FB-RC (24 VDC)



- One for each receiver (24 VDC sensor & Solenoid if required)
- CANbus system interconnect
- Local control of basic loading parameters
- Easily retrofit to existing receivers
- ON/OFF control
- Local Load Time adjustment
- 24 VDC sensor & solenoid connections

FlexBus Cable Drop

Part # FB-D



- CANbus system interconnect for 1 receiver or hub.
- Includes 20ft cable drop with connector

FlexBus Hub – 2, 4 or 6 receivers

Part # FB-H2
Part # FB-H4
Part # FB-H6



- CANbus system interconnect for 2, 4 or 6 receivers
- 20ft cable drop
- 2, 4, or 6 seven pin connectors on 6 ft leads

Bulk Cable

Part # FB-T



- CANbus system interconnect

GHR Receiver and Local Control

Part # GHR-1021
Part # GHR-2021



- Vacuum receiver with hinged lid for easy access
- 10 lb (4.5 kg) capacity
- 20 lb (9.0 kg) capacity
- Optional Blowback available
- Prox Demand Sensor
- Slide Gate Dispense
- 24 VDC sensor & solenoid
- 2 inch vacuum and material connections (optional connection diameter available).
- Local controls for non-Maguire receivers available.

MAGUIRE WORLDWIDE DISTRIBUTION LOCATIONS



Maguire USA

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