

PRODUCT ANNOUNCEMENT

Kathy Levy | Associate Editor | The Shot Peener

Introducing the LM Series MagnaValves

LM1000-24 and LM2000-24

ELECTRONICS INC. (EI) is introducing their newest valves—the LM1000-24 and LM2000-24 steel shot MagnaValves for wheelblast machines. These valves are an addition to the popular low-profile MagnaValve® family. The following are some of the benefits of the new valves.

Built-In Air Aspiration Inlet (Patent Pending)

The LM1000-24 and LM2000-24 MagnaValve have an aspiration air inlet built into the valve body. An air inlet is necessary in almost all wheel applications to prevent media leaking through the MagnaValve when the valve is off and the wheel is running. This problem is typically discovered after machine assembly and requires costly changes.

The built-in air aspiration inlet allows air to enter the system without allowing media to exit the system. This is achieved by having air inlet holes on the bottom of the MagnaValve that are routed to ventilation located directly below the pole pieces.

The holes on the bottom of the MagnaValve prevent dust and debris from entering the system. At the same time, the long narrow vents below the pole pieces prevent media from leaving the system. The shielding of the pole pieces and the downward angle of the vents reduce the media's ability to escape through the air inlet.

One-Size Footprint

The LM2000-24 shares a footprint with the LM1000-24, making it easy for the end-user to upgrade if a higher flow rate is needed in the future.

OEMs also benefit from the shared footprint because they can design machinery to accommodate either valve.

Polycarbonate Casing

The new casing is lighter than cast aluminum making installation and maintenance easier. In addition, the polycarbonate housing prevents heat transfer from heated shot to the electrical components, ensuring the electronics stay cool.

Easy Retrofit Installation for the VLP-24 and LP-24 MagnaValves

A minimum of mount changes are needed when end users want to replace their VLP-24 or LP-24 with a LM Series MagnaValve.

Replaceable Wear Plate (Patent Pending)

The ability to replace the wear plate will prevent erosion to the

valve body and thereby increasing the life of the MagnaValve. The wear plate is made of a durable erosion-tolerant urethane material. The shape of the pole pieces has been redesigned to reduce the amount of erosion to the valve body. With the proper installation, the LM Series MagnaValve will offer years of low-maintenance operation.

Switching Technology

The LM1000-24 and LM2000-24 utilize a newly redesigned electronic module. The new electronics use switching technology and this results in less energy wasted as heat. The LM1000-24 has a 33% improved efficiency.

Increased Flow Rate

Both MagnaValves in the LM Series have received a boost in their maximum flow rate. The LM1000-24 has a 15% increase in flow rate and the LM2000-24 has a 12% increase, taking the maximum flow rate using S-230 to 1390 lb/min and 2280 lb/min respectively.

Controller Options

The LM Series MagnaValves can be controlled by an EI AC-24 Controller or Pot-24 (both sold separately). The AC Controller will detect the current load on the wheel motor and regulate the flow of media to the LM Series MagnaValves for an “automatic” closed-loop operation. This closed-loop system will provide accurate and repeatable flow rates. The EI Pot-24 Controller provides “manual” open-loop control.

If you think a LM Series MagnaValve is right for your application, please contact Electronics Inc. at 1-800-832-5653 or 574-256-5001 for more information.



The LM-100024