



Permanent Magnetic Parts Lifter Series: PMPL



Model's Shown
PMPL-300-325-REN-S

Patent Pending

Application: MPI's exclusive PERMANENT MAGNETIC PARTS LIFTER (PMPL Series)(**PATENT PENDING**) is designed for ferrous parts and the direct replacement of vacuum cups located on ferrous parts transfer systems.

Operation: Powerful rare-earth magnet is activated by air pressure. An air solenoid (Provided by customer) controls both on and off operation by connecting flexible airlines to the quick disconnect fittings. Short bursts of air ranging from 40-60 p.s.i. is all that is required to operate the unit.

Got a question about Metal Control
or Material Handling Products...

Ask the
**Magnet
Man**



www.magnetmanusa.com

Magnetic Products, Inc.

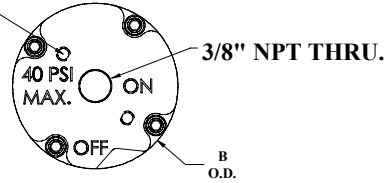
Providing Magnetic Solutions for the
Material Handling Industry

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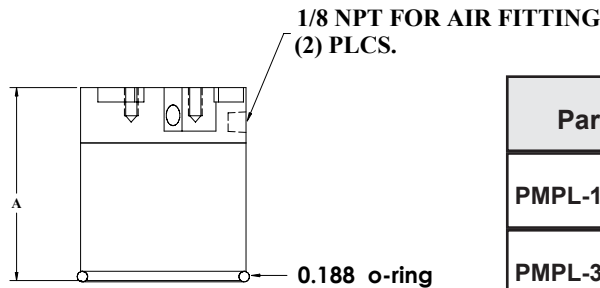
Providing Magnetic Solutions For the Material Handling Industry

1/4-20 X .625 MOUNTING HOLES (2) PLCS.



Note: Specifications subject to change

UNIT PROVIDED WITH:
(1) 1/8" NPT PIPE PLUG
(1) 3/8" NPT PIPE PLUG
(1) 3/8" NPT X 1.500" BLACK PIPE NIPPLE



Part Number	A	B
PMPL-175-250-REN-S	2.50"	1.75"
PMPL-300-350-REN-S	3.50"	3.00"

Holding values for Pneumatic Parts Lifter

Material Gauge	Model Number <i>PMPL-175-250-REN-S</i>	Model Number <i>PMPL-300-325-REN-S</i>
26 Gauge	5.0 Lbs.	20.5 Lbs.
18 Gauge	5.25 Lbs.	30.5 Lbs.
12 Gauge	6.0 Lbs.	34.0 Lbs.
7 Gauge	6.5 Lbs.	36 Lbs.

All values are maximum break away. To maintain safety standards, lift magnets should be used at 1/3 of their breakaway capacity

Standard Features:

MPI's exclusive (**PATENT PENDING**) "Fail Safe" feature is built into each magnet. Once the powerful permanent magnet is engaged, only air pressure in the reverse "off" direction will disengage the unit, even if the airline is disconnected or losses pressure. This process ensures a positive connection between your parts and the working surface of the Permanent Magnetic Parts Lifter.

- CNC Machined from T-6061 Billet Aluminum.
- MPI's exclusive replaceable and easy to change O-ring non-marring face.
- Standard sizes available range from 1 3/4" to 9" diameter.
- Low air consumption and quiet operation.
- Air supply controls positive part pick up and

release with no internal spring unlike other brands.

- Longer lasting solution compared to vacuum cups.
- Standard 3/8-NTP thread for retro-fit to existing endofactors.

Optional Features:

- Steel Airline Fittings.
- Non-Standard Unit Sizing.
- Suction Cup Adapter Plate, for simple retro-fit applications on existing lines.
- Custom magnetic circuits to meet customer specific applications available on request.

-Custom Sizes & Configurations Available-

For more information, please contact your local sales representative or our customer service representatives at 1-800-544-5930 or info@mpimagnet.com.

Magnetic Products Inc.

P.O. Box 529 • 683 Town Center Dr. • Highland, MI • 48357

TOLL FREE: 800-544-5930 • 248-887-5600

FAX: 248-887-6100

EMAIL: info@mpimagnet.com

www.mpimagnet.com

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