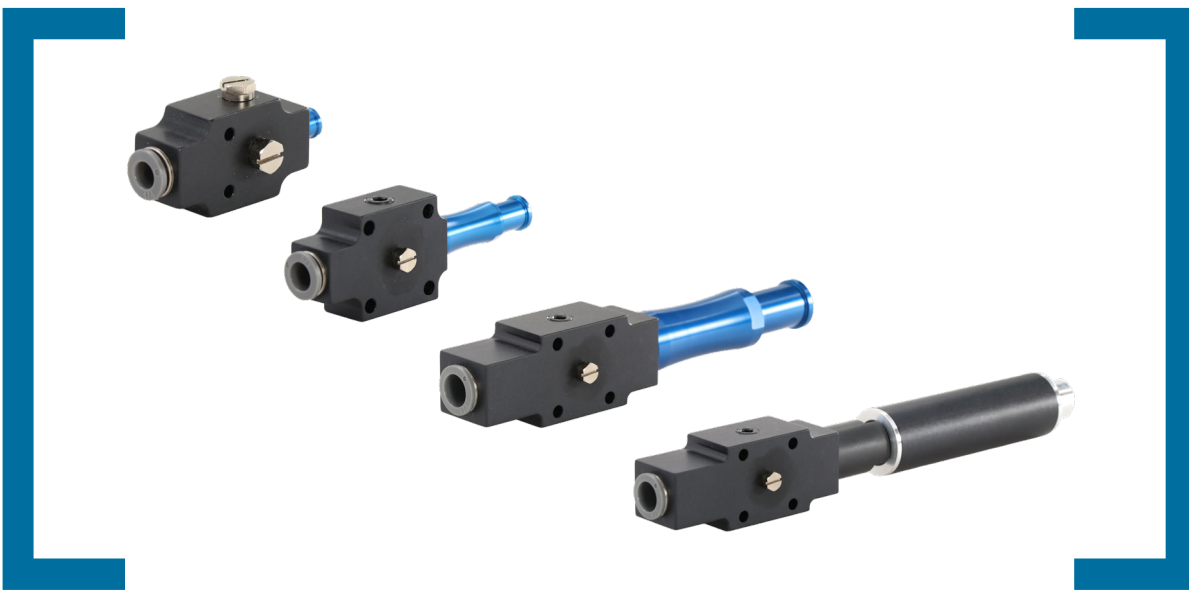




Multi Stage Vacuum Pump & Cartridges

Get the Flexibility You Deserve



Bimba's **NEW** MSV Series Multi-Stage Vacuum Pump provides the greatest flexibility when tuning the performance to any application. With 27 performance levels, it is easy to balance vacuum level, vacuum flow, and air consumption to optimize your application.

The multi-stage configuration offers the advantage of high flow rates at lower vacuum levels with less air consumption while the single stage configuration offers our classic non-clogging flow through design. These pumps provide the best mix of performance, size, and air consumption in three body sizes.

Interchangeable threaded cartridges allow for easy changes to performance without uninstalling the entire pump. Cartridges are also designed to be easily integrated into custom vacuum manifolds and machines.

Features & Benefits

- » Compact design allows for easy integration into any application
- » Extreme flexibility to easily change between 27 different performance levels and endless configurations
- » Offers high efficiency with higher flow rates and lower air consumption
- » Non-clogging single stage flow through option configuration reduces downtime and eliminates the need for filters

Applications

- » Pick & Place
- » Packaging
- » Vessel Evacuation
- » Robotics/End-of-Arm Tooling
- » Vacuum Clamping/Holding
- » Vacuum Filling/Bottling Operations

Ordering Information - MSV Series Vacuum Pump

MSV07-060L2-60-VSMN-QD-6

| Size | | Performance (Max. Flow, Max. Vacuum) Stages | | | | Supply Pressure | | Sensor/Switch | |
|------|-----|---|-------------------------------------|-------|--|-----------------|--|---------------|----------------|
| 07 | Min | 060L2 | 0.6 SCFM, 22.1 "Hg (Min) 2 Stage | 150M1 | 3.5 SCFM, 20 "Hg (Mid) 1 Stage | Blank | 80 PSI (Single Stage) 58-87 PSI (Multi-Stage) | Blank | None |
| 14 | Mid | 060M1 | 0.5 SCFM, 20 "Hg (Min, Mid) 1 Stage | 150H1 | 3.2 SCFM, 28 "Hg (Mid) 1 Stage | | | VSMN-QD-6 | NPN Switch |
| 25 | Max | 060M2 | 0.6 SCFM, 25.1 "Hg (Min) 2 Stage | 200L1 | 6.0 SCFM, 10 "Hg (Max - Short) 1 Stage | 60 | 60 PSI | VSMP-QD-6 | PNP Switch |
| | | 060H1 | 0.5 SCFM 28 "Hg (Min, Mid) 1 Stage | 200L2 | 6.3 SCFM, 22.1 "Hg (Max) 2 Stage | | | VTMV-QS-6 | 1-5V DC Sensor |
| | | 060H2 | 0.7 SCFM 27.2 "Hg (Min) 2 Stage | 200M1 | 6.0 SCFM, 20 "Hg (Max - Short) 1 Stage | | | | |
| | | 090L1 | 1.3 SCFM, 10 "Hg (Mid) 1 Stage | 200H1 | 5.4 SCFM, 28 "Hg (Max - Short) 1 Stage | | | | |
| | | 090L2 | 1.4 SCFM, 21.6 "Hg (Mid) 2 Stage | 200H2 | 6.0 SCFM, 28.1 "Hg (Max) 2 Stage | | | | |
| | | 090M1 | 1.4 SCFM, 20 "Hg (Mid) 1 Stage | 250L1 | 9.5 SCFM, 10 "Hg (Max - Short) 1 Stage | | | | |
| | | 090M2 | 1.5 SCFM, 26.6 "Hg (Mid) 2 Stage | 250M1 | 9.5 SCFM, 20 "Hg (Max - Short) 1 Stage | | | | |
| | | 090H1 | 1.2 SCFM, 28 "Hg (Mid) 1 Stage | 250H1 | 9.0 SCFM, 28 "Hg (Max - Short) 1 Stage | | | | |
| | | 090H2 | 1.6 SCFM, 27.8 "Hg (Mid) 2 Stage | 265LS | 12.7 SCFM, 22.1 "Hg (Max) 3 Stage | | | | |
| | | 091L2 | 1.6 SCFM, 22.1 "Hg (Mid) 2 Stage | 265H3 | 13.1 SCFM, 28.1 "Hg (Max) 3 Stage | | | | |
| | | 100L1 | 2.1 SCFM, 10 "Hg (Mid) 1 Stage | 300L1 | 20 SCFM, 10 "Hg (Max - Long) 1 Stage | | | | |
| | | 100L3 | 2.4 SCFM, 22.1 "Hg (Mid) 3 Stage | 300M1 | 20 SCFM, 20 "Hg (Max - Long) 1 Stage | | | | |
| | | 100M1 | 2.1 SCFM, 20 "Hg (Mid) 1 Stage | 300H1 | 20 SCFM, 28 "Hg (Max - Long) 1 Stage | | | | |
| | | 100M3 | 2.4 SCFM, 26.6 "Hg (Mid) 3 Stage | 350L1 | 28 SCFM, 10 "Hg (Max - Long) 1 Stage | | | | |
| | | 100H1 | 2.0 SCFM, 28 "Hg (Mid) 1 Stage | 350M1 | 28 SCFM, 20 "Hg (Max - Long) 1 Stage | | | | |
| | | 100H3 | 2.4 SCFM, 27.8 "Hg (Mid) 3 Stage | 350H1 | 28 SCFM, 28 "Hg (Max - Long) 1 Stage | | | | |
| | | 150L1 | 3.5 SCFM, 10 "Hg (Mid) 1 Stage | | | | | | |

*Add "I-" to the front of the part number for Metric. Part numbers listed above are in Imperial

Ordering Information - C-CH and C-MS Series Replacement Cartridges

CM60L2-M07-MS

| Size | | Performance (Max. Flow, Max. Vacuum) Stages | | Mating Body | | Type | |
|------|----------|---|----------------------------------|-------------|-------------|------|-----------------------------------|
| CM | Min | 060L2 | 0.6 SCFM, 22.1 "Hg (Min) 2 Stage | M07 | MSV07 (Min) | MS | Multi-Stage Cartridge |
| C | Mid, Max | 060M2 | 0.6 SCFM, 25.1 "Hg 2 Stage | M14 | MSV14 (Mid) | CH | Multi-Stage Cartridge with Holder |
| | | 060H2 | 0.7 SCFM 27.2 "Hg 2 Stage | M25 | MSV25 (Max) | | |
| | | 090L2 | 1.4 SCFM, 21.6 "Hg 2 Stage | | | | |
| | | 090M2 | 1.5 SCFM, 26.6 "Hg 2 Stage | | | | |
| | | 090H2 | 1.6 SCFM, 27.8 "Hg 2 Stage | | | | |
| | | 091L2 | 1.6 SCFM, 22.1 "Hg 2 Stage | | | | |
| | | 100L3 | 2.4 SCFM, 22.1 "Hg 3 Stage | | | | |
| | | 100M3 | 2.4 SCFM, 26.6 "Hg 3 Stage | | | | |
| | | 100H3 | 2.4 SCFM, 27.8 "Hg 3 Stage | | | | |
| | | 200L2 | 6.3 SCFM, 22.1 "Hg 2 Stage | | | | |
| | | 200H2 | 6.0 SCFM, 28.1 "Hg 2 Stage | | | | |
| | | 265L3 | 12.7 SCFM, 22.1 "Hg 3 Stage | | | | |
| | | 265H3 | 13.1 SCFM, 28.1 "Hg 3 Stage | | | | |

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