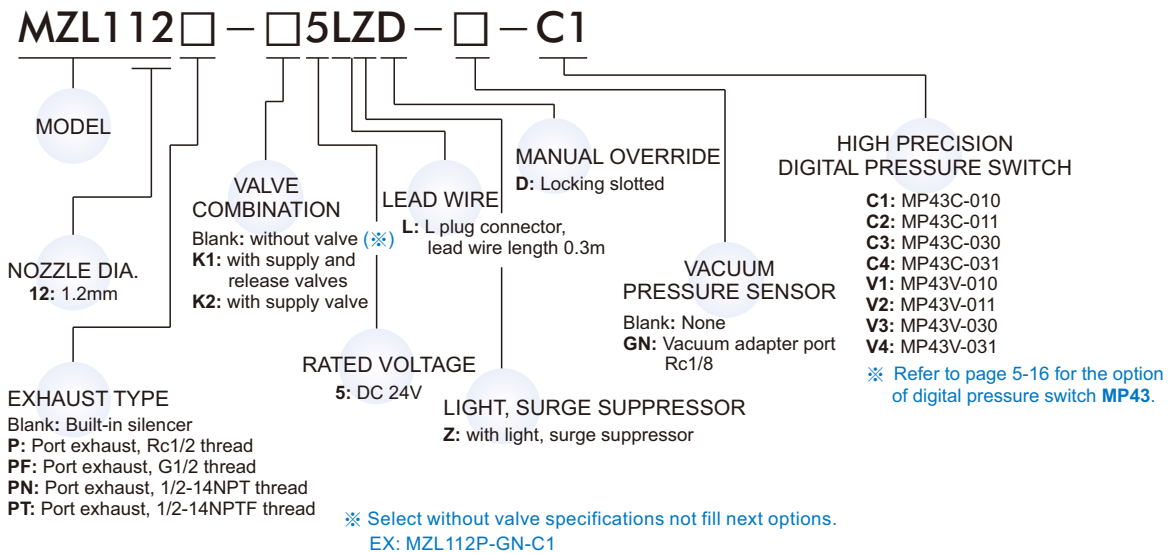


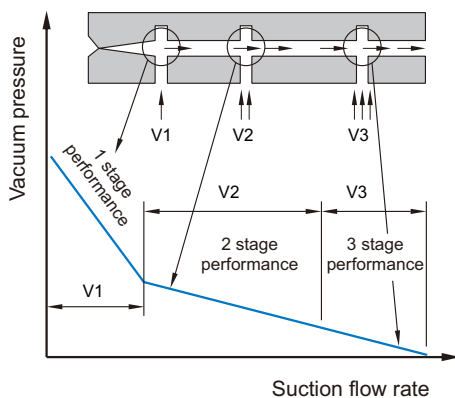
Specification

| Model | MZL112 |
|-----------------------------|-------------|
| Nozzle dia. | 1.2 mm |
| Max. suction flow | 100 ℓ/min |
| Air consumption | 63 ℓ/min |
| Max. vacuum pressure | -84 kPa |
| Max. operating pressure | 0.7 MPa |
| Supply pressure range | 0.2~0.5 MPa |
| Standard supply pressure | 0.4 MPa |
| Operating temperature range | +5~+50℃ |
| Weight | 450 g |

Order example



3 stage diffuser construction



Supply / Release valve specifications

| | |
|-------------------------------|---|
| Type of valve actuation | Internal pilot type N.C. |
| Operating pressure range | 0.2~0.5 MPa |
| Ambient and fluid temperature | -5~+50℃ (No freezing) |
| Response time (for 0.5MPa) | 25ms or less |
| Max. operating frequency | 5Hz |
| Manual operation | Non-locking push type, slotted locking type |
| Pilot exhaust type | Pilot valve individual exhaust type, Main valve / Pilot valve common exhaust. |
| Lubrication | Not required |
| Mounting position | Unrestricted |
| Impact / Vibration resistance | 150 / 30 m/s ² |
| Enclosure | Dust proof |

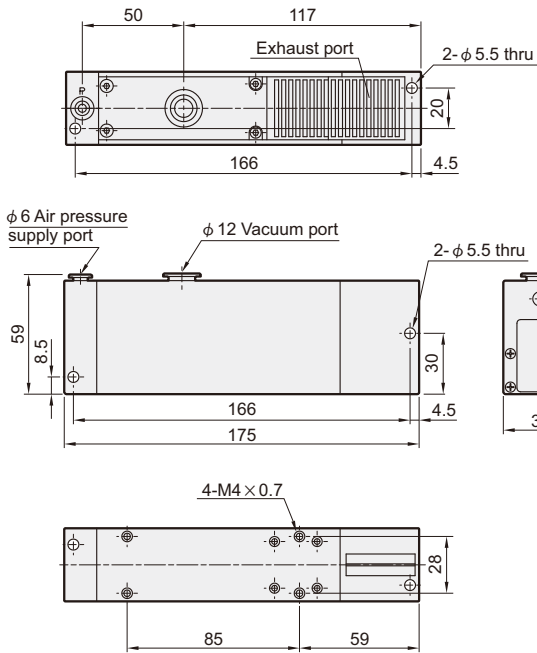
MZL112 Dimensions

MULTISTAGE VACUUM PUMP



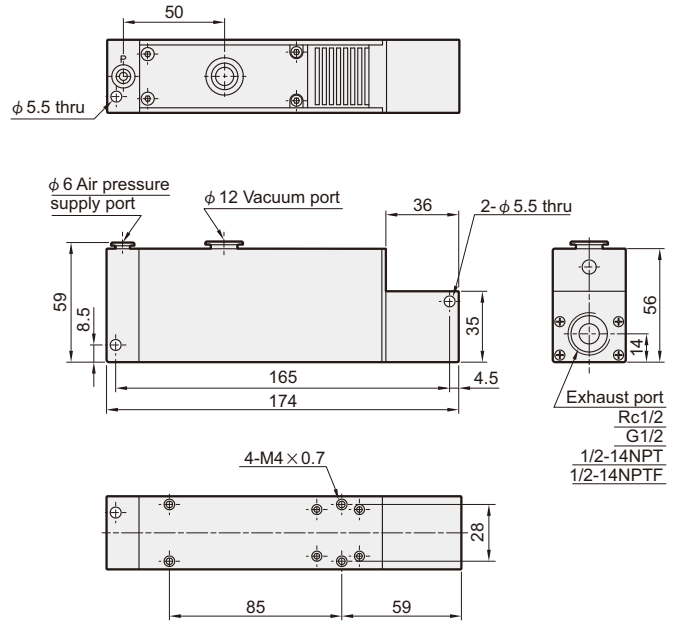
MZL112

Standrd



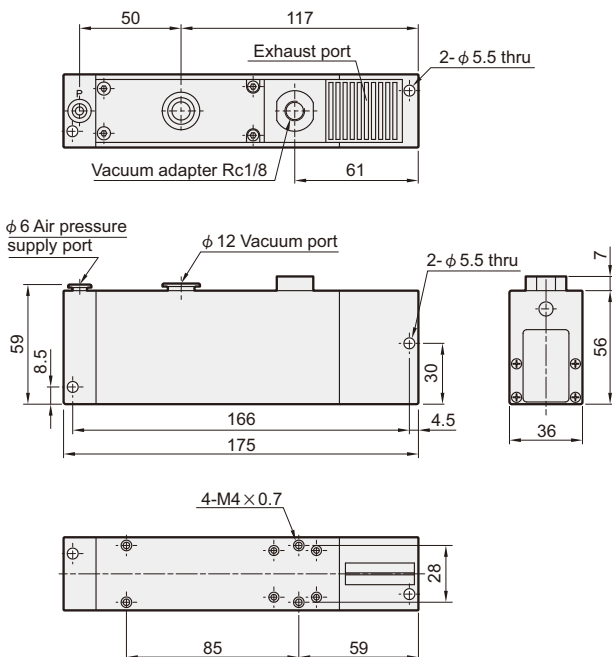
MZL112P

Port exhaust



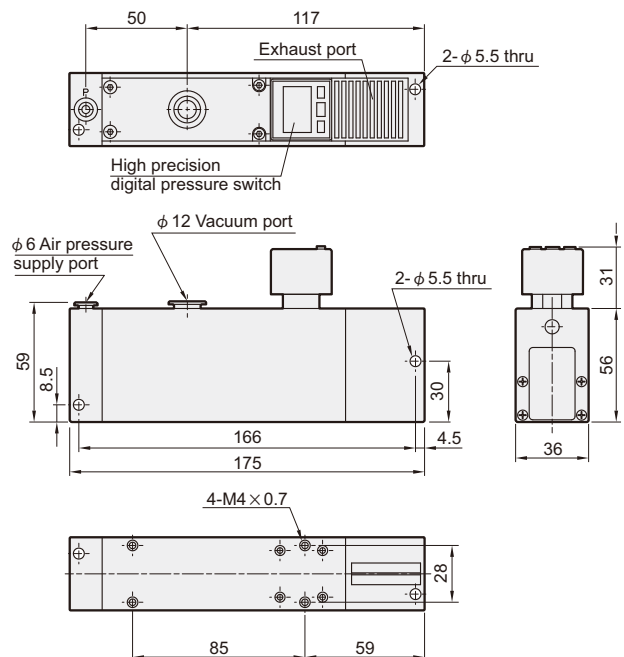
MZL112-GN

With vacuum adapter



MZL112-GN-C*

With high precision digital pressure switch



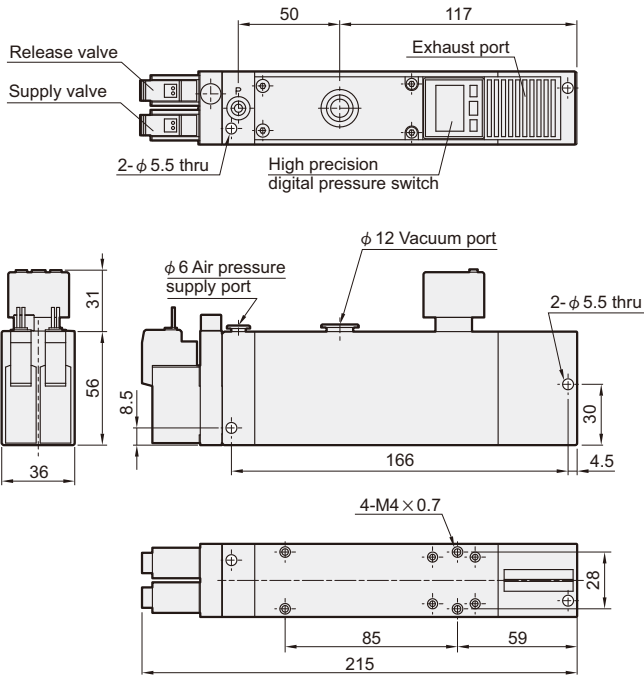
MZL112 Dimensions

MULTISTAGE VACUUM PUMP



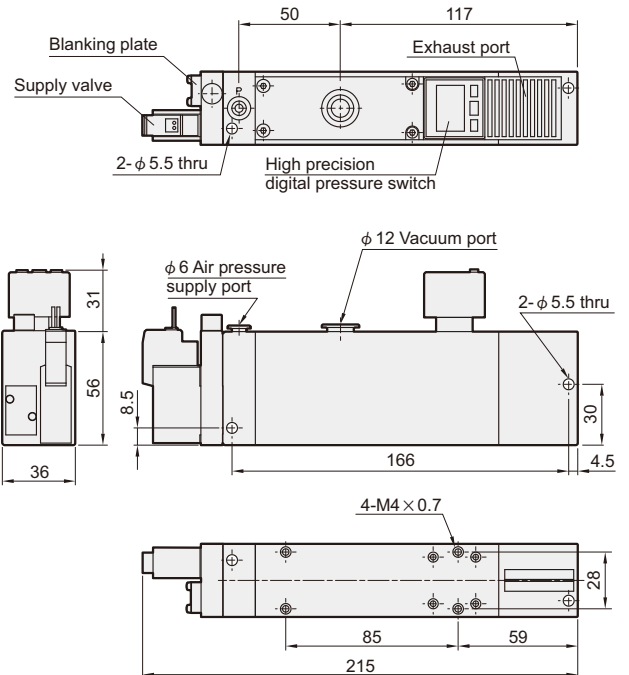
MZL112-K1-GN-C*

With supply and release valves



MZL112-K2-GN-C*

With supply valve



Vacuum flow(ℓ/min) at different vacuum levels(-kPa)

| Supply pressure | Air consumption | Vacuum flow(ℓ/min) at different vacuum levels(-kPa) | | | | | | | | | | Max. vacuum level |
|-----------------|-----------------|---|----|----|----|------|----|----|----|-----|----------|-------------------|
| | | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | | |
| 0.4 MPa | 63 ℓ/min | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | - 84 kPa | |
| | | 100 | 65 | 26 | 20 | 18.5 | 13 | 8 | 5 | 2.8 | | |

Evacuation time(s/ℓ) to reach different vacuum levels(-kPa)

| Supply pressure | Air consumption | Evacuation time(s/ℓ) to reach different vacuum levels(-kPa) | | | | | | | | Max. vacuum level |
|-----------------|-----------------|---|-------|-----|------|------|------|------|-----|-------------------|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | |
| 0.4 MPa | 63 ℓ/min | 0.05 | 0.172 | 0.4 | 0.67 | 1.07 | 1.63 | 2.46 | 3.9 | - 84 kPa |

Vacuum characteristics

