

piINLINE® vacuum generator MICRO Si, 6-6 mm

Article number: 0122882



- Patented COAX® cartridge technology.
- High vacuum flow capacity in relation to energy consumption.
- Low weight inline design with push-in fittings.
- Quick and easy installation directly on the hose.
- Si/Ti cartridge at 0.6 MPa for extra vacuum flow.
- Bi cartridge for reliability at low feed pressures.
- Ti/Xi cartridge at 0.4/0.5 MPa when high flow and deep vacuum is needed.

Technical data

| Description | Unit | Value |
|---------------------|------|----------------------------------|
| Material | - | CuZn, Nitrile (NBR), PA, SS, TPE |
| Temperature, max. | °C | 80 |
| Temperature, min. | °C | -10 |
| Weight, min. | g | 9.8 |
| Feed pressure, max. | MPa | 0.7 |
| Noise level, max. | dBA | 73 |
| Noise level, min. | dBA | 67 |
| Air consumption | NI/s | 7.1 l/m (.25 scfm) |
| Diameter | mm | 15 |
| Diameter | mm | 6 |
| Diameter | mm | 6 |
| Length | mm | 70 |

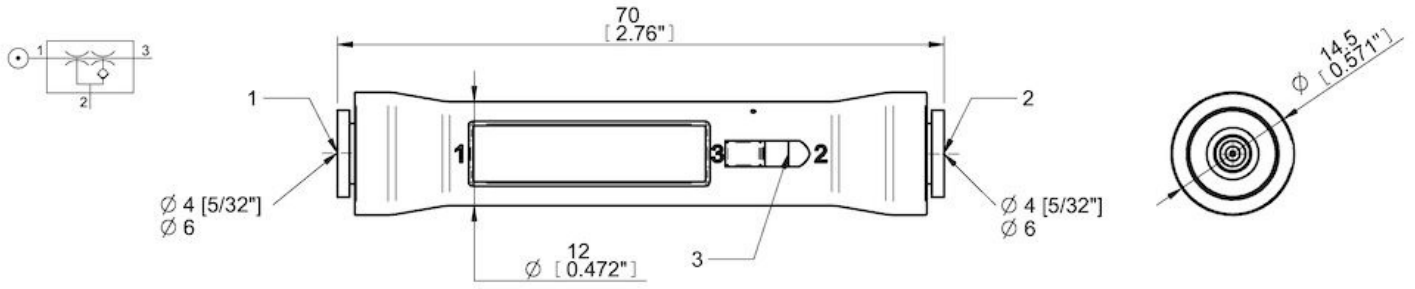
Performance

| Feed pressure MPa | Air consumption NI/s | Vacuum flow (NI/s) at different vacuum levels (-kPa) | | | | | | | | | | | | | | Max vacuum kPa |
|----------------------|-------------------------|--|------|------|------|------|------|------|------|----|----|----|----|----|---|-------------------|
| | | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 75 | 80 | 90 | 95 | 99 | | |
| 0.6 | 0.12 | 0.28 | 0.21 | 0.12 | 0.08 | 0.07 | 0.06 | 0.04 | 0.02 | 0 | 0 | 0 | 0 | 0 | 0 | ≥75 |

| Feed pressure MPa | Air consumption NI/s | Evacuation time (s/l) to reach different vacuum levels (-kPa) | | | | | | | | | | | | | | Max vacuum kPa |
|----------------------|-------------------------|---|------|------|-----|-----|-----|------|----|----|----|----|------|-------|---|-------------------|
| | | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 95 | 99 | 99.5 | 100.3 | | |
| 0.6 | 0.12 | 0.41 | 1.01 | 2.01 | 3.3 | 4.9 | 6.9 | 10.2 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ≥75 |

| Feed pressure MPa | Air consumption NI/s | Blow flow (NI/s) at different pressure levels (-kPa) | | | | | | | | | | | | | | Max pressure kPa | |
|----------------------|-------------------------|--|------|------|------|-----|------|------|------|----|----|-----|-----|-----|-----|---------------------|-----|
| | | 0 | 10 | 20 | 30 | 40 | 50 | 60 | 70 | 80 | 90 | 100 | 110 | 120 | 130 | | 140 |
| 0.6 | 0.12 | 0.4 | 0.34 | 0.22 | 0.21 | 0.2 | 0.18 | 0.17 | 0.15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | ≥75 |

Dimensional drawings



Values specified in this datasheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Compressed air quality, DIN ISO 8573-1 class 4.

Tolerance and accuracy:

- Feed pressure tolerance ±0.02 MPa [2.9 psi]
- Vacuum flow/evacuation time accuracy ±10%.

Accessories

0123093 | Snap-in piINLINE® 5x MICRO mounting bracket