Hakuto 伯東











# MVP 010-3 DC, diaphragm pump, 24 V

PFEIFFER

# MVP 010-3

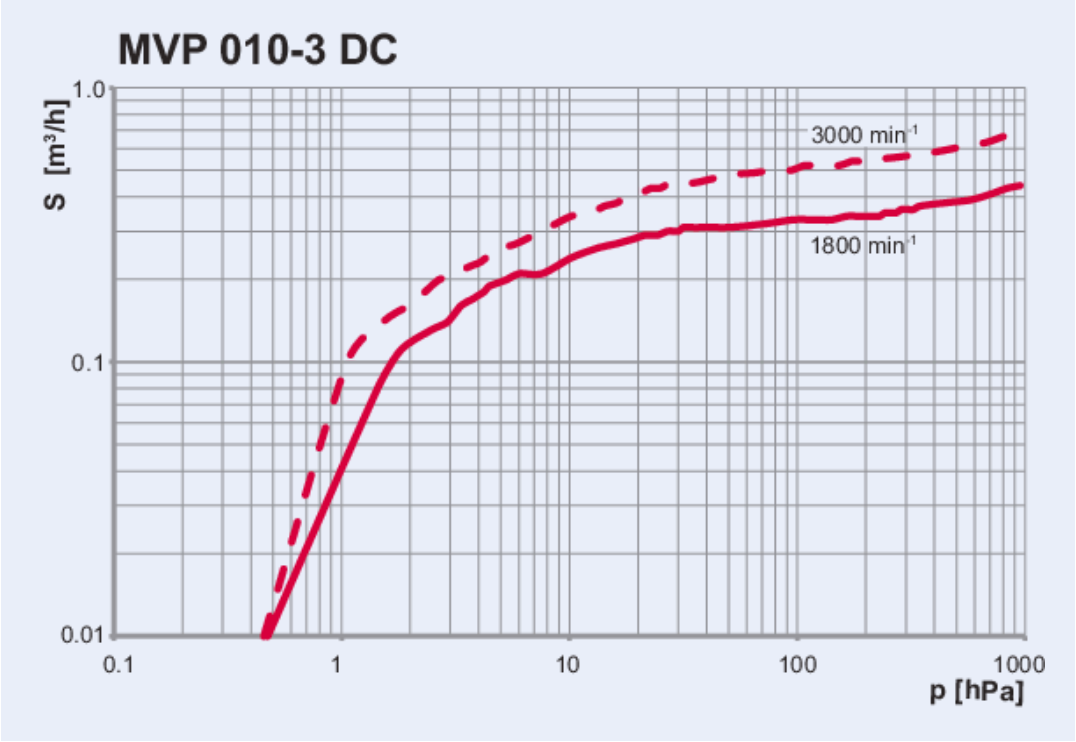


Illustration only

## MVP 010-3 DC, diaphragm pump, 24 V

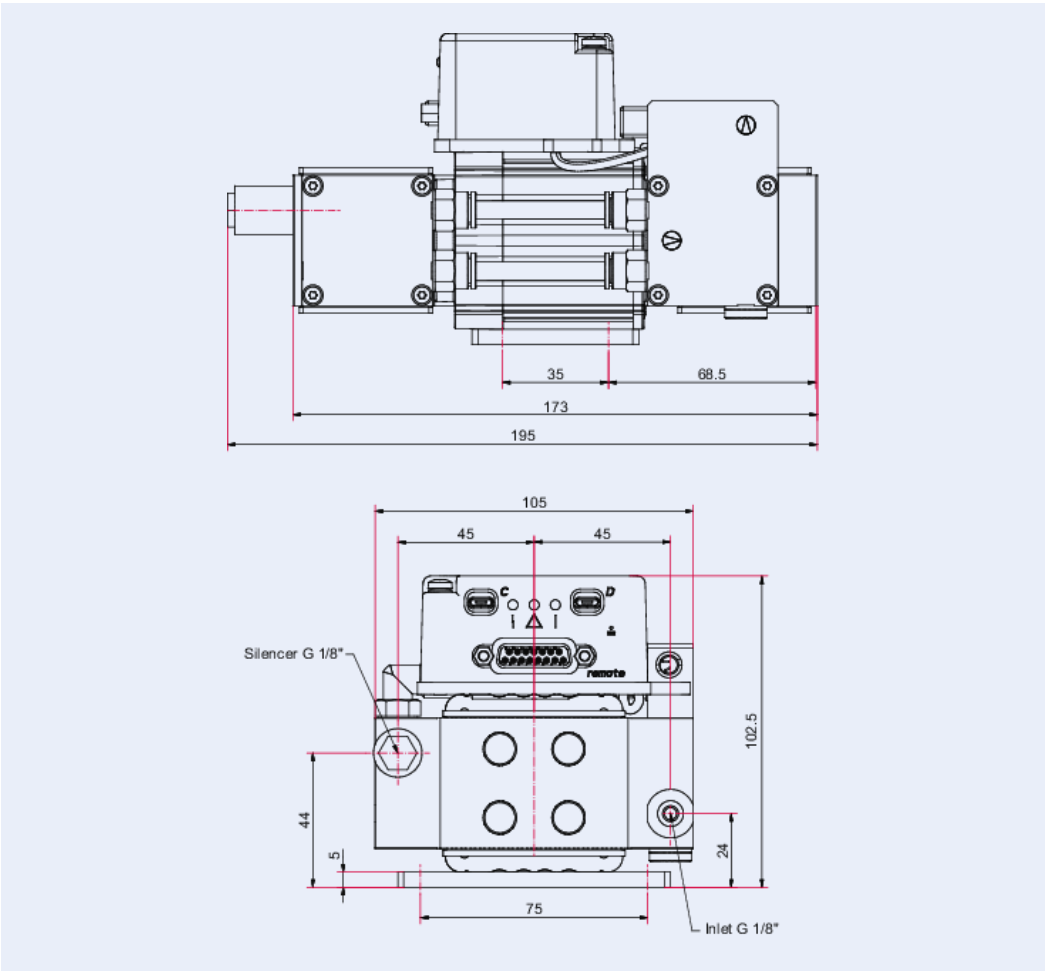
- Compact diaphragm pump with a pumping speed of up to 0.6 $m^3/h$
- Pumping of dry and non-corrosive gases
- Industry 4.0 compatible: Operation with other intelligent products, such as turbopumps via RS-485

## Characteristics



# MVP 010-3

## Dimensions



# MVP 010-3

| Technical Data | MVP 010-3 DC, diaphragm pump, 24 V |
|---|---|
| Gas ballast | No |
| Cooling method | Natural convection |
| Pumping speed | 0.6 $m^3/h$ |
| Motor type | DC motor |
| Pumping speed category | 1 $m^3/h$ |
| Short circuit current of voltage source, max. | 45 A |
| Rated current consumption | 1.4 A |
| Vacuum range min | $1 \cdot 10^0$ hPa |
| Vacuum range max | $1 \cdot 10^0$ hPa |
| I/O interfaces | RS-485 |
| Ambient temperature | 5 – 40 °C |
| Current max. | 2.5 A |
| Temperature: Storage, max | 40 °C |
| Temperature: Storage, min | 5 °C |
| Certification | cTUVus certified according to UL / CSA 61010-1 |
| Input voltage(s) | 24 V DC (±10 %) |
| Emission sound pressure level (EN ISO 2151) | 50 dB(A) |
| Nominal rotation speed | 1,800 rpm \| 1,800 $min^{-1}$ |
| Exhaust pressure, max. | 1,300 hPa \| 975 Torr \| 1,300 mbar |
| Operating altitude, max. | 2,000 m |
| Intake pressure max. | 1,100 hPa \| 825 Torr \| 1,100 mbar |
| Nominal rotation speed | 1,800 rpm |
| Switch | No |
| Exhaust pressure, max. | 1,300 hPa |
| Motor protection | Electronically |
| Rotation speed | 540 – 3000 rpm |
| Mains cable | No |
| Dimensions (L x W x H) | 173 x 105 x 103 mm |
| Number of pumping stages | Three stage |
| Intake pressure max. | 1,100 hPa |
| Connection flange | G 1/8" Thread / G 1/8" Silencer |
| Weight | 2 kg |
| Connection flange (in) | G 1/8'' |
| Connection flange (out) | 1/8" thread with silencer (separate package) |

# MVP 010-3

| Order number | MVP 010-3 DC, diaphragm pump, 24 V |
|---|---|
| MVP 010-3 DC, diaphragm pump, 24 V | 2000225687 |

| Accessories | MVP 010-3 DC, diaphragm pump, 24 V |
|---|---|
| Inspection set for MVP 010-3 DC | 2000005872 |
| Silencer for MVP Neo R 1/8" | 2000075375 |
| Spare part package intermediate plate for MVP 010-3 DC Neo | |
| Spare part package interhead connection (angle) for MVP 010-3 DC Neo | |
| Spare part package interhead connection (straight) for MVP 010-3 DC Neo | |
| Spare part package head cover (without Gas ballast) for MVP 010-3 DC Neo | |

伯东企业（上海）有限公司

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