



SUPPLEMENTARY INFORMATION

EN

Translation of the Original

MVP 030-3 DC

Diaphragm Pump

PFEIFFER  **VACUUM**

Dear Customer,

Thank you for choosing a Pfeiffer Vacuum product. Your new diaphragm pump is designed to support you with its performance, perfect operation and without impacting your individual application. The name Pfeiffer Vacuum stands for high-quality vacuum technology, a comprehensive and complete range of top-quality products and first-class service. From this extensive, practical experience we have gained a large volume of information that can contribute to efficient deployment and to your personal safety.

In the knowledge that our product must avoid consuming work output, we trust that our product can offer you a solution that supports you in the effective and trouble-free implementation of your individual application.

Please read these operating instructions before putting your product into operation for the first time. If you have any questions or suggestions, please feel free to contact info@pfeiffer-vacuum.de.

Further operating instructions from Pfeiffer Vacuum can be found in the [Download Center](#) on our website.

Disclaimer of liability

These operating instructions describe all models and variants of your product. Note that your product may not be equipped with all features described in this document. Pfeiffer Vacuum constantly adapts its products to the latest state of the art without prior notice. Please take into account that online operating instructions can deviate from the printed operating instructions supplied with your product.

Furthermore, Pfeiffer Vacuum assumes no responsibility or liability for damage resulting from the use of the product that contradicts its proper use or is explicitly defined as foreseeable misuse.

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We reserve the right to make changes to the technical data and information in this document.

1 About this manual

**IMPORTANT**

Read carefully before use.

Keep the manual for future consultation.

1.1 Validity

This document applies to units with the following part numbers:

- MVP 030-3 DC
 - Pfeiffer Vacuum part number **PK T01 191**

This supplementary information describes important deviations from the standard product and is valid only in conjunction with the valid operating instructions.

1.2 Applicable documents

Document	Number
Operating instructions "Standard pump" MVP 030-3 DC	PU 0065 BN
Declaration of conformity	Part of this document

You can find this document in the [Pfeiffer Vacuum Download Center](#).

2 Product description and transport

The diaphragm pump has:

- no handle
- 4 angled attachments without rubber buffers on the top of the pump

Transporting the vacuum pump without its packaging

1. Unpack the vacuum pump.
2. To protect the inside of the pump, leave both protective caps on the connections during transport.
3. For lifting, use the angled attachments on the top of the pump.
4. Lift the vacuum pump out of the transport packaging.
5. Make sure that no forces are acting on the piping system.
6. Always place the vacuum pump on an adequately sized, level surface.

3 Technical data and dimensions

3.1 Technical data

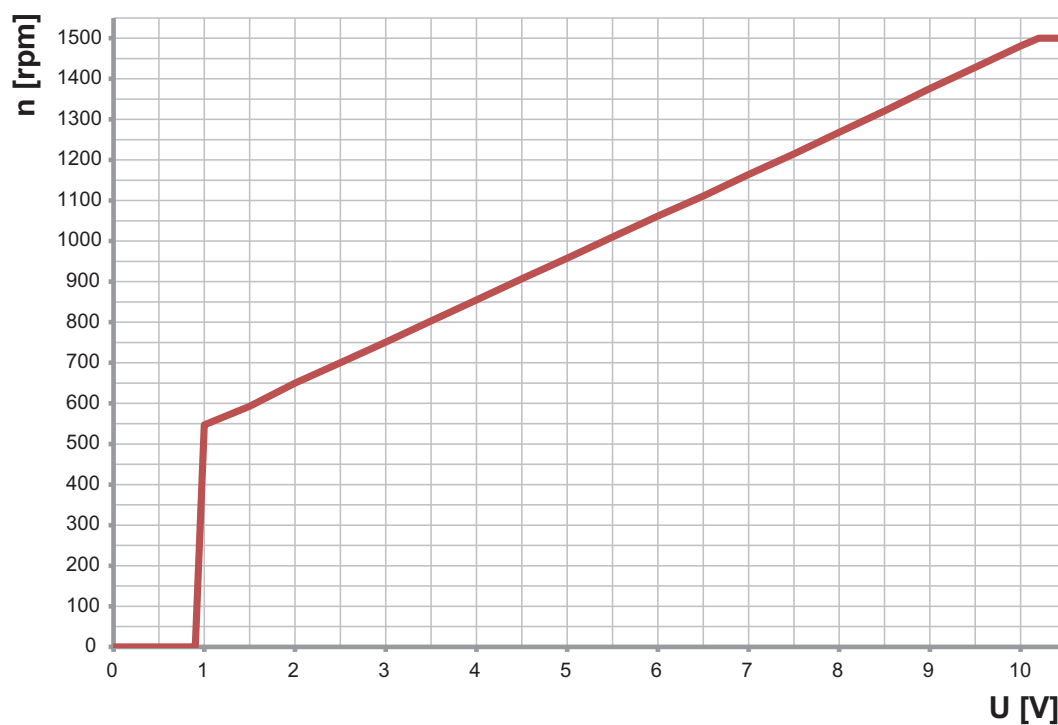


Fig. 1: Control voltage and rotation speed

U Control voltage n Rotation speed

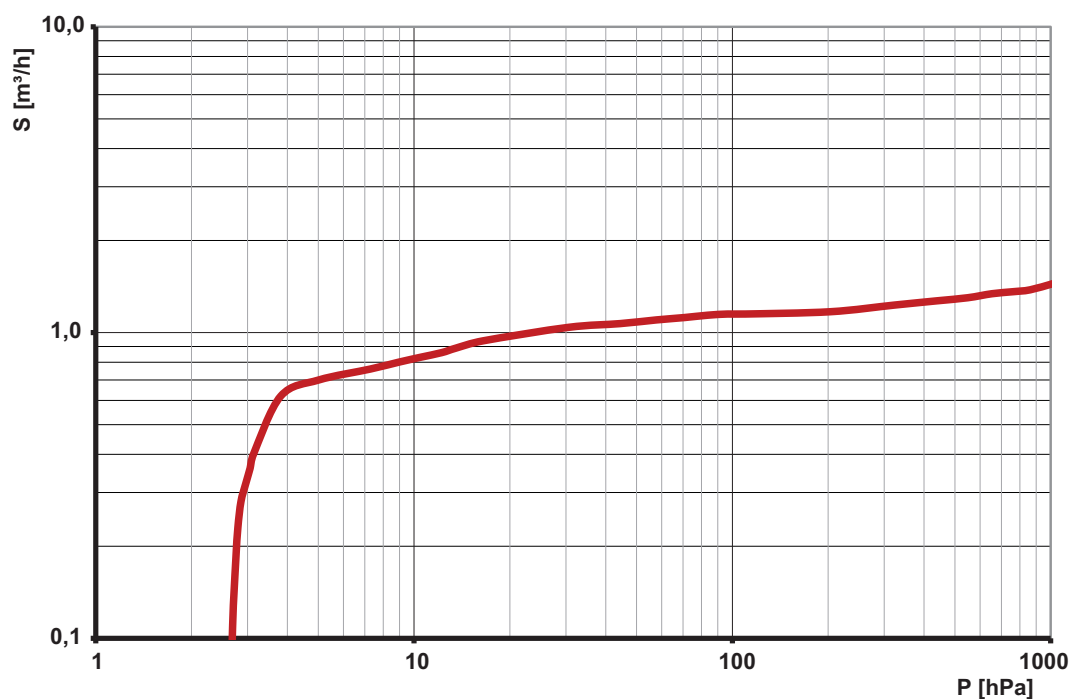


Fig. 2: Pumping speed

P Pressure S Pumping speed



Ultimate pressure with gas ballast

The ultimate pressure with gas ballast is identical for the rotation speed 1000 min⁻¹ and 1500 min⁻¹.

Classification	MVP 030-3 DC
Order number	PK T01 191 D
Flange (in)	G 1/8" with elbow union G-1/8" – 6 mm Swagelok SS-6M0-2-2PR
Flange (out)	G 1/8" with elbow union G-1/8" – 6 mm Legris 3118 06 10
Pumping speed	1.2 m ³ /h
Ultimate pressure with gas ballast	≤ 3 hPa
Intake pressure max.	1100 hPa
Exhaust pressure, max.	1100 hPa
Integral leak rate	1 · 10 ⁻² Pa m ³ /s
Operating voltage: DC	24 V
Input voltage: tolerance	±10 %
Rated current absorption	3.5 A
Current max.	5,5 A
Rotation speed	300 – 1 500 rpm
Cooling method, standard	Convection cooled
Operating altitude, max.	2000 m
Protection category	IP20
Ambient temperature	10 – 40 °C
Temperature: Storage	-10 – 60 °C
Sound pressure level	45 dB(A)
Weight	4.3 kg

Tbl. 1: Technical data MVP 030-3 DC

3.2 Dimensions

Dimensions in mm

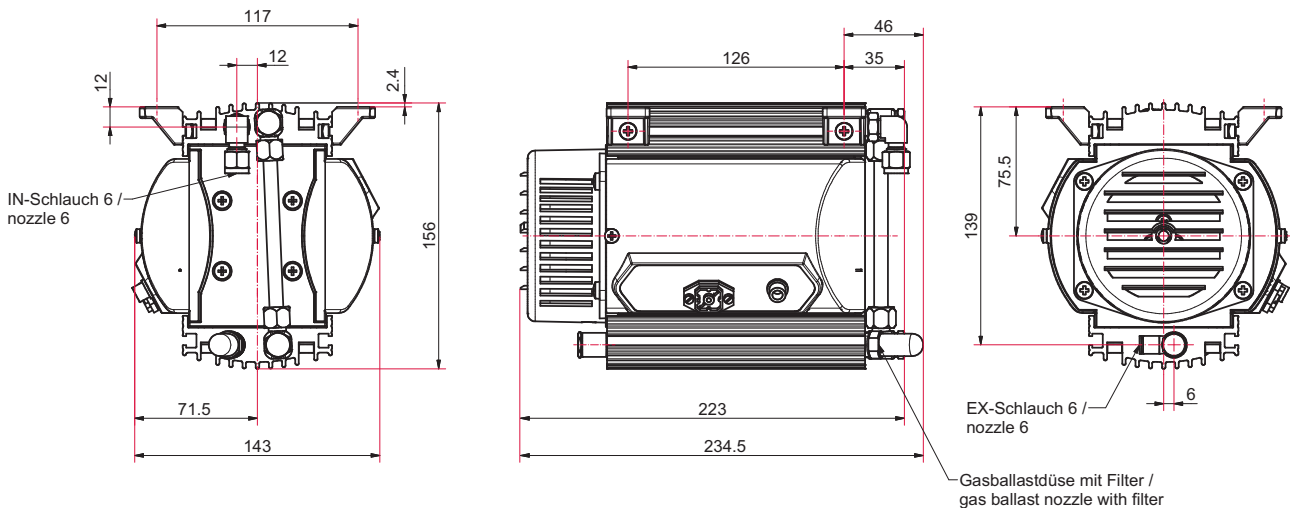


Fig. 3: Dimensions MVP 030-3 DC

Declaration of conformity

Declaration for product(s) of the type:

Diaphragm Pump

MVP 030-3 DC

We hereby declare that the listed product satisfies all relevant provisions of the following **European Directives**.

Machinery 2006/42/EC (Annex II, no. 1 A)

Electromagnetic compatibility 2014/30/EU

Restriction of the use of certain hazardous substances 2011/65/EU

Restriction of the use of certain hazardous substances, delegated directive 2015/863/EU

Harmonized standards and applied national standards and specifications:

EN ISO 12100: 2011

DIN EN 50581: 2013

EN 1012-2: 2011

EN 61010-1: 2011

EN 61326-1: 2013

EN 61010-1: 2010 (Ed. 3)

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Asslar, 2019-09-06



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Are you looking for a
perfect vacuum solution?
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