Bernoulli suction cups – Series SX-B-PK

Non-contact vacuum suction grippers for direct food contact

Product Description

> Integrated vacuum generation on the Bernoulli principle
> No ejector, requires compressed air only
> Non-contact, deformation-resistant transport of thin and sensitive products
> Suitable for direct contact with food products (FDA/EC compliant)
> High holding force: Bernoulli suction cups can grip up to to 42.33 oz of mass
> Perfectly suited for porous products thanks to high volume flow at low vacuum level
> Easy to install, system flexibly expandable through lateral compressed air inlets
> Long life cycle due to maintenance-free operation

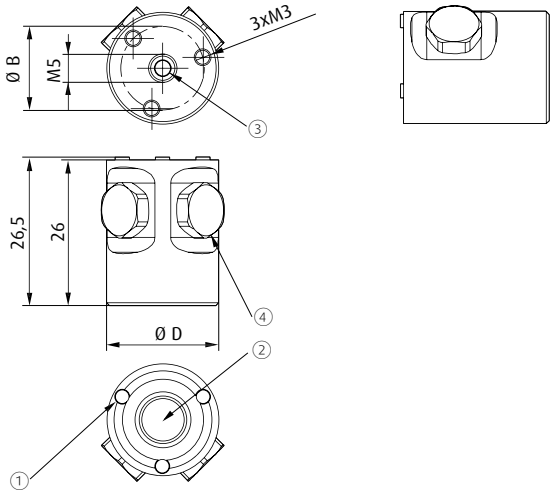
Technical Data

Item no.	Model	Operating pressure [psi]	Holding force at 72.5 psi [N]	Air consumption at 72.5 psi [scfm]	Ambient air temperature [°F]	Medium	Oil content of compressed air [mg/m³]	Max. Particle size [µm]	Weight [oz]
65.510-PK	SX-B-PK-20	14.5 - 101.5	2.5	5.3	41 - 140	Compressed air	0	40	0.35
65.520-PK	SX-B-PK-30	14.5 - 101.5	3	5.3	41 - 140	Compressed air	0	40	0.71
65.530-PK	SX-B-PK-40	14.5 - 101.5	5.5	5.3	41 - 140	Compressed air	0	40	1.06
65.540-PK	SX-B-PK-60	14.5 - 101.5	12	7.7	41 - 140	Compressed air	0	40	2.47

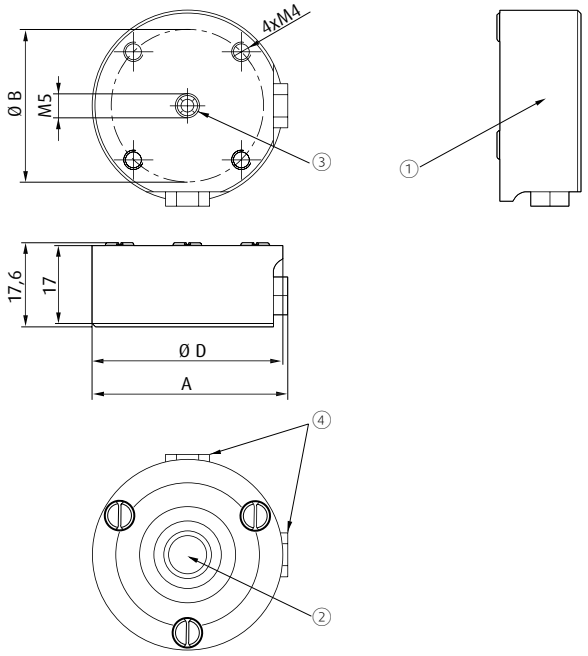
Technical specifications

> The pressure dew point must be at least 59 °F under ambient and medium temperature and may not exceed 37.4 °F.
> Notice: This product may only be operated with oil-free, dry compressed air.
> Highly resistant against diverse chemicals used in the food industry.
> Suitable for all conventional CIP (Cleaning-In-Place) and SIP (Sterilization-In-Place) processes.
> Hygienic product design enables quick and easy cleaning.
> Materials:
- Housing: Polyetheretherketone
- Pads: Silicone caoutchouc
- Nozzle: Stainless steel
- Seals: Fluorocaoutchouc
- Blanking screw: Polyetheretherketone

Dimensions



65.510-PK



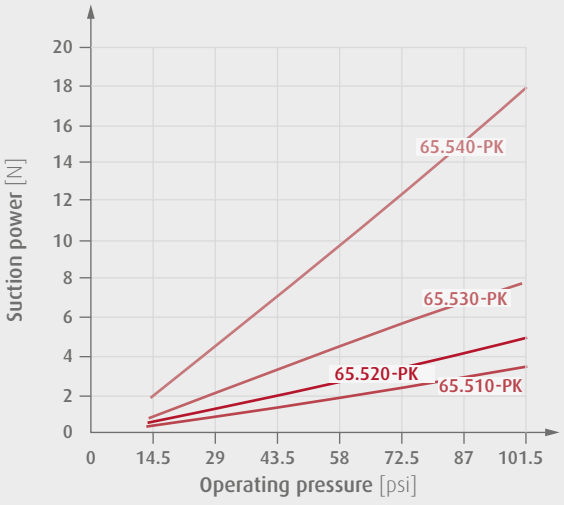
65.520-PK | 65.530-PK | 65.540-PK

① = Silicone rubber pads ② = Nozzle ③ = Compressed air connection ④ = Alternative pneumatic connection

Item no.	Ø D [mm]	A [mm]	Ø B [mm]
65.510-PK	20	--	15
65.520-PK	30	31	22
65.530-PK	40	41	32
65.540-PK	60	61	45

Diagrams

> Holding force as a function of operating pressure



> Air consumption depending on operating pressure