

Datasheet

Suction cup BX25P Polyurethane 30/60 with filter, G1/8" male / M5 female, with dual flow control valve

Item number: BX25P.4K.02DD.F



- Suitable for level adjustment and for uneven and porous surfaces such as cardboard, etc.
- Dual hardness allowing strength and stability in conjunction with softness and flexibility.
- DURAFLEX® material features the elasticity of rubber in combination with the wear resistance of polyurethane.
- The DURAFLEX® material is mark-free.
- Filter disk made of polyester PES4/14 and TPE.

Technical data

Description	Unit	Value
Suction cup shape	-	Multibellows
Application	-	Dry sheet metal, Corrugated cardboard/Paperboard, Mark Free, Plastic injection molded parts
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Corrugated / cardboard, Mark free, Plastic injection molded parts
Material	-	Polyurethane (PU)
Weight, min.	oz	0.11
Suction cup model	-	BX-P
Volume	in ³	0.18
Leakage flow, max.	scfm	0.13
Height	in	1.043
Outer diameter, min.	in	1.024
Fitting size	-	1/8", M5
Fitting option	-	Dual flow control valve, Filter disc
Fitting style	-	Female/Male
Fitting type	-	G-thread, M-thread
Valve restriction	in	0.028
Restricted vacuum flow	scfm	1.48
Suction cup model	-	BX25P PU30 PU60
Movement, vertical max.	in	0.33
Curve radius, min.	in	0.24

Performance - Lifting forces

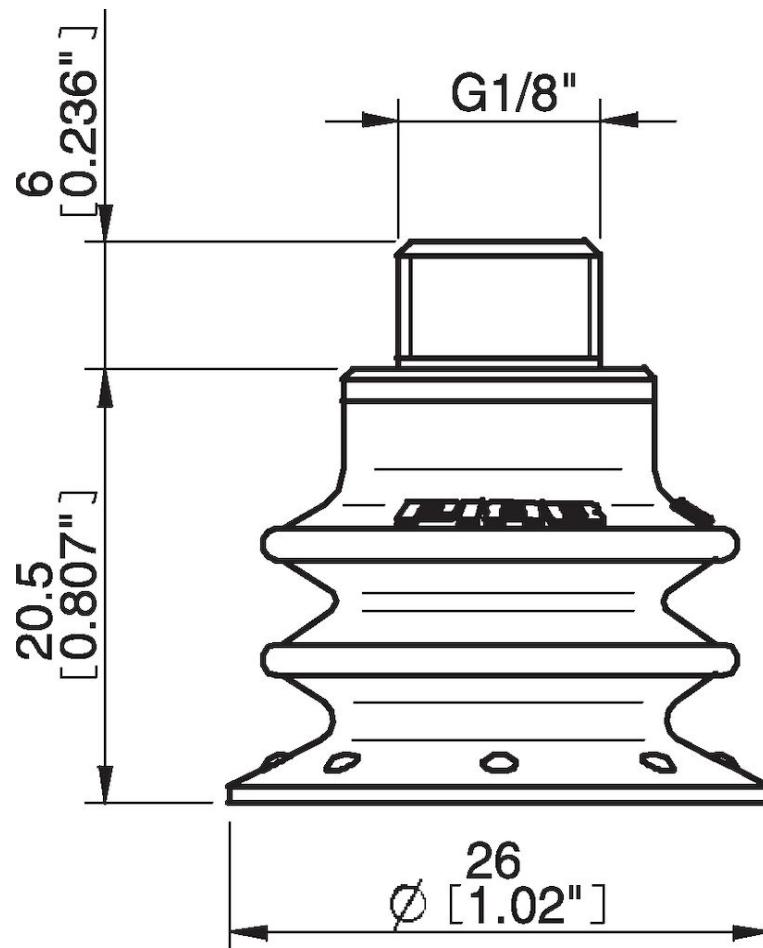
BX25P PU30 PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	1.80	1.12
17.72 -inHg	2.92	2.25
26.58 -inHg	3.82	2.70

Material		
Name	Polyurethane (PU30)	Polyurethane (PU60)
Color	Yellow	Green transparent
Temperature, min. °F	50.0	50.0
Temperature max. °F	122.0	122.0
Hardness °Shore A	30	60

Material resistance

Alcohol	n/a	n/a
Concentrated acids	Fair	Fair
Ethanol	Fair	Fair
Hydrolysis	Fair	Fair
Methanol	Poor	Poor
Oil	Excellent	Excellent
Oxidation	Poor	Poor
Gasoline	Fair	Fair
Wear resistance	Excellent	Excellent
Weather and ozone	Excellent	Excellent

Dimensional drawings



Values specified in this data sheet 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]).
- Relative humidity 20-70%.
- Compressed air quality, DIN ISO 8573-1 class 4.

Accessories

02AE | Fitting 5xM5 female
02AF | Fitting G1/8" male/M5 female, with mesh filter
BX25P.4E | Suction cup BX25P Polyurethane 60
BX25P.4K | Suction cup BX25P Polyurethane 30/60
BX25P.4E.F | Suction cup BX25P Polyurethane 60, with filter
02AA | Fitting M5 female
02AD | Fitting G1/8" male/M5 female
02AB | Fitting G1/8" male, with mesh filter
02AC | Fitting 1/8" NPT male, with mesh filter
02DA | Fitting M5 female, with dual flow control valve
02DC | Fitting 1/8" NPT male, with dual flow control valve
02DE | Fitting 5xM5 female, with dual flow control valve

Spare parts

BX25P.4K.F | Suction cup BX25P Polyurethane 30/60, with filter
02DD | Fitting G1/8" male/M5 female, with dual flow control valve
02.01.000 | Suction cup filter BX25P, 10 pcs