

# Datasheet

## Suction cup BX35P Polyurethane 30/60 with filter, 3/8" NPT male, with dual flow control valve

Item number: BX35P.4K.04DE.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, Plastic injection molded parts, Mark Free
Suction cup design	-	Round
Characteristics	-	Dry sheet metal, Corrugated / cardboard, Plastic injection molded parts, Mark free
Material	-	Polyurethane (PU)
Weight, min.	oz	0.28
Suction cup model	-	BX-P
Volume	in <sup>3</sup>	0.61
Leakage flow, max.	scfm	0.28
Height	in	1.69
Outer diameter, min.	in	1.46
Fitting size	-	3/8"
Fitting option	-	Dual flow control valve, Filter disc, Filter mesh
Fitting style	-	Male
Fitting type	-	NPT-thread
Valve restriction	in	0.035
Suction cup model	-	BX35P PU30 PU60
Movement, vertical max.	in	0.55
Curve radius, min.	in	0.39

### Performance - Lifting forces

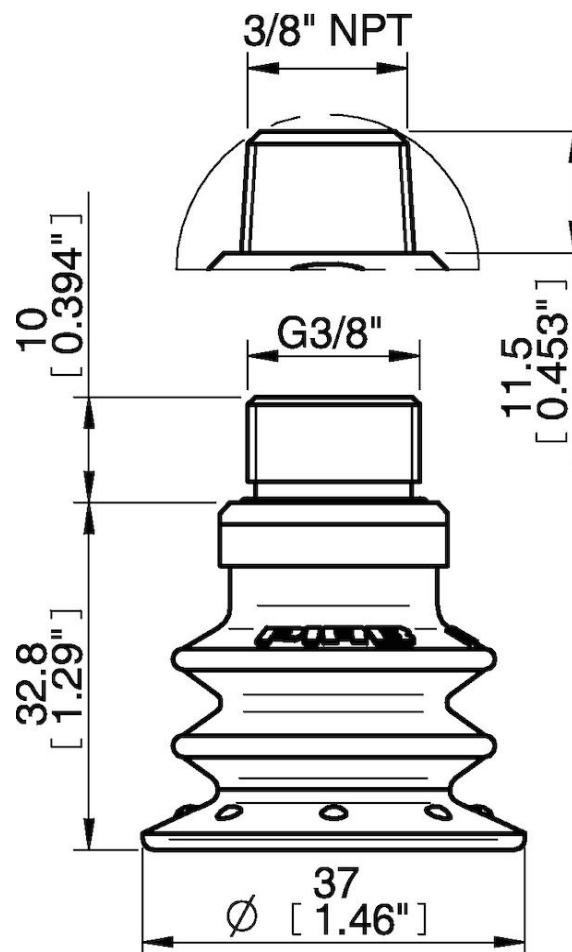
BX35P PU30 PU60	Vertical (lb)	Parallel (lb)
5.91 -inHg	2.70	2.47
17.72 -inHg	4.50	4.27
26.58 -inHg	6.29	5.85

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

04AG | Fitting 1/8" NPSF female, 30–40, with mesh filter  
BX35P.4K | Suction cup BX35P Polyurethane 30/60  
BX35P.4E.F | Suction cup BX35P Polyurethane 60, with filter  
BX35P.4E | Suction cup BX35P Polyurethane 60  
04AI | Fitting G1/8" male, 40, with mesh filter  
04AA | Fitting 1/8" NPSF female, 30–40  
04AD | Fitting G3/8" male, 30–40, with mesh filter  
04AE | Fitting 3/8" NPT male, with mesh filter  
04AB | Fitting G1/4" male, 30–40, with mesh filter  
04AC | Fitting 1/4" NPT male, with mesh filter  
04DA | Fitting 1/8" NPSF female, 30–40, with dual flow control valve  
04DB | Fitting G1/4" male, 30–40, with dual flow control valve  
04DC | Fitting 1/4" NPT male, with dual flow control valve  
04DD | Fitting G3/8" male, 30–40, with dual flow control valve

## Spare parts

BX35P.4K.F | Suction cup BX35P Polyurethane 30/60, with filter  
04DE | Fitting 3/8" NPT male, with dual flow control valve  
02.01.001 | Suction cup filter BX35P, 10 pcs