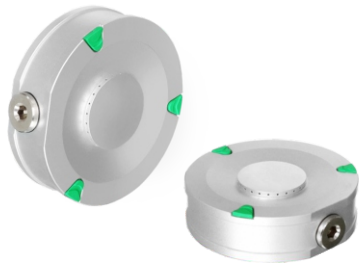


Contactless suction cup

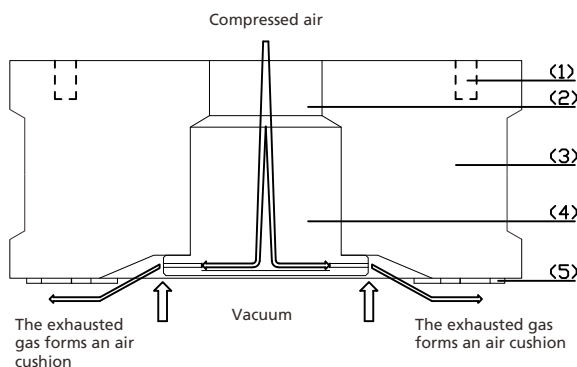
Contactless suction cup MBN

Suction area: (ϕ) 20mm to 120mm

Contactless suction cup MBN



System design contactless suction cup MBN



Introduction and application

- ◆ For handling and separation of extremely thin workpieces without permanent deformation (e.g. film, paper, wood veneer)
- ◆ Handling highly permeable workpieces, (e.g. printed circuit boards without electronic components installed).
- ◆ Handling vulnerable workpieces, (e.g. silicon wafers and battery wafers)

Design

- ◆ Connection directly via four mounting threads (1) on the top side;
- ◆ vertical (2) and horizontal compressed air connections
- ◆ Horizontal-direction compressed air connection hole (closed with plug)
- ◆ Anodized aluminum body with integrated Bernoulli nozzle (3)
- ◆ Streaming element (4) in two versions: Standard Flow SF for airtight workpieces and High Flow HF for higher leakage compensation on porous workpieces
- ◆ Mark-free rubber buffer of special material HT1 on the bottom side of the suction cup (5)
- ◆ Optional available with central support

Technical Data And Ordering Data Contactless suction cup MBN

Type	Suction Force[N]	Air Consumption [l/min]	Operating Pressure [bar]	Weight [g]	Ordering Data
MBN 20 SF M5-IG	2.0	100	1...6	12	90.03.01.00001
MBN 20 HF M5-IG	3.0	140	1...6	12	90.03.01.00002
MBN 30 SF M5-IG	4.0	100	1...6	31	90.03.01.00003
MBN 30 HF M5-IG	5.0	140	1...6	31	90.03.01.00004
MBN 40 SF G1/8-IG	6.5	100	1...6	51	90.03.01.00005
MBN 40 HF G1/8-IG	10.5	190	1...6	51	90.03.01.00006
MBN 60 SF G1/8-IG	13.0	150	1...6	118	90.03.01.00007
MBN 60 HF G1/8-IG	18.5	225	1...6	118	90.03.01.00008
MBN 100 SF G1/4-IG	46.0	225	1...6	295	90.03.01.00009
MBN 100 HF G1/4-IG	55.5	420	1...6	295	90.03.01.00010
MBN 120 HF G1/4-IG	89.0	225	1...6	390	90.03.01.00011
MBN 120 SF G1/4-IG	104.0	420	1...6	390	90.03.01.00012

Note: MBN (20\30\40\60\100\120 means diameter SF=Standard flow HF=High flow IG=internal thread

Combined Suction Cups

Vacuum Suction Cups

Composite Suction Cups

Special Grippers

Vacuum Gripping Systems

Mounting Elements

Vacuum Generators

Valve Technology

Switch And Monitoring

Vacuum Filters

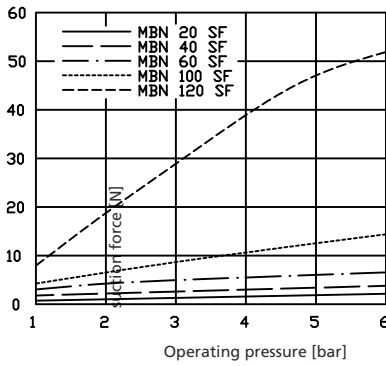
Contactless suction cup

Contactless suction cup MBN

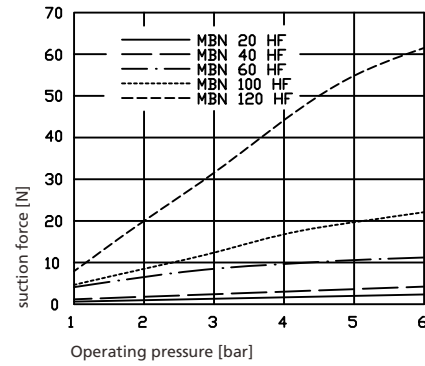
Suction area: (ϕ) 20mm to 120mm

Performance Data MBN

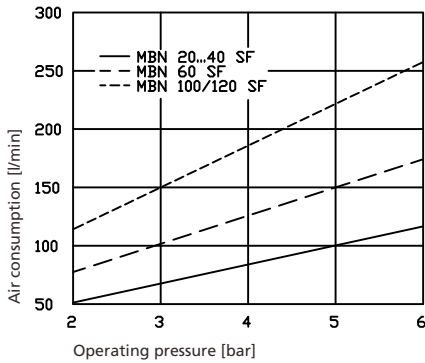
MBN-SF suction force



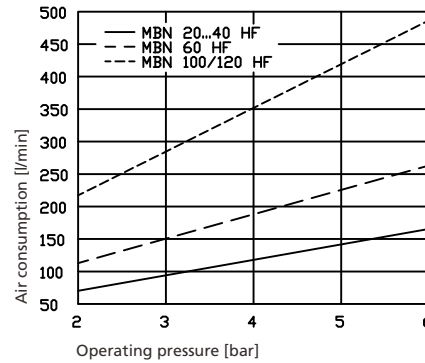
MBN-HF suction force



MBN-SF Air consumption

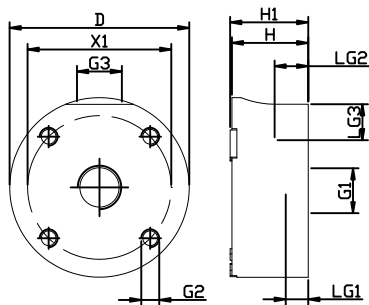


MBN-HF Air consumption



Design Data Contactless suction cup MBN

MBN



Type	Dimensions[mm]									
	D	G1	G2	G3	H	H1	LG1	LG2	LG3	X1
MBN 20 SF M5-IG	20	M5-F	M3-F	M5-F	17	17.4	5	7.5	6	15
MBN 20 HF M5-IG	20	M5-F	M3-F	M5-F	17	17.4	5	7.5	6	15
MBN 30 SF M5-IG	30	M5-F	M4-F	M5-F	17	17.4	5	7.5	6	22
MBN 30 HF M5-IG	30	M5-F	M4-F	M5-F	17	17.4	5	7.5	6	22
MBN 40 SF G1/8-IG	40	G1/8"-F	M4-F	G1/8"-F	17	17.4	5	7.5	6	32
MBN 40 HF G1/8-IG	40	G1/8"-F	M4-F	G1/8"-F	17	17.4	5	7.5	6	32
MBN 60 SF G1/8-IG	60	G1/8"-F	M4-F	G1/8"-F	17	17.4	5	7.5	6	45
MBN 60 HF G1/8-IG	60	G1/8"-F	M4-F	G1/8"-F	17	17.4	5	7.5	6	45
MBN 100 SF G1/4-IG	100	G1/4"-F	M4-F	G1/8"-F	17	17.4	5	7.5	6	75
MBN 100 HF G1/4-IG	100	G1/4"-F	M4-F	G1/8"-F	17	17.4	5	7.5	6	75
MBN 120 HF G1/4-IG	120	G1/4"-F	M4-F	G1/8"-F	17	17.4	5	7.5	6	105
MBN 120 SF G1/4-IG	120	G1/4"-F	M4-F	G1/8"-F	17	17.4	5	7.5	6	105