

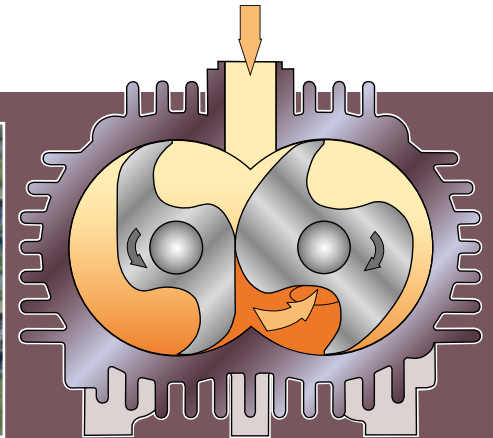
Claw vacuum pumps and compressors



Mink MM 1142 BV



Mink MM 1142 BP



More information on the Mink range is available at www.busch.de/en/products/product-portfolio/mink

Mink claw vacuum pumps and compressors have been developed specifically for industrial applications requiring vacuum or over pressure. The compression is performed without operating fluids, meaning that no oil, water or any other operating fluid is required to generate the vacuum or over pressure. The contra-rotating claws are housed in a cylinder, where they move without contact and are thus non-wearing. This makes Mink claw vacuum pumps and compressors highly effective vacuum/over pressure generators offering optimum levels of efficiency.

Application-oriented

The range offered by Busch includes Mink claw vacuum pumps ranging from 50 to 500 m³/h. They can reach ultimate pressures ranging from 20 hPa (mbar) for the two-stage version up to 250 hPa (mbar) at a suction capacity of 500 m³/h. Mink claw compressors can reach over pressures of 2.0 bar(g) at volumetric flow rates of 62 to 500 m³/h.

Low maintenance

Thanks to their non-contact claw technology and lack of operating fluids, Mink claw vacuum pumps and compressors are non-wearing and require minimal maintenance, limited to a single gear oil change every 20,000 operating hours.

Economical

The high levels of efficiency offered over other vacuum principles provide significant energy-saving potential. The reduction of necessary maintenance work virtually eliminates machine downtimes. Thanks to the non-contact claw technology, no wearing parts, no operating fluids and no method for fluid disposal are needed, thus removing the associated costs.

Mink Package Units

To enable higher suction capacities or volumetric flow rates, Mink claw vacuum pumps and compressors can be combined into Package Units. This allows perfect adaptation of the vacuum/over pressure generators to the relevant process, with suction capacities/volumetric flow rates of up to 1080 m³/h.

Extensive service network

Busch has an extensive global service network meaning that a service centre is always nearby.

Applications

- Wood industry
- Pneumatic suction conveying
- Transportation and lifting devices
- Medical technology
- Central vacuum supply
- Packaging industry
- Plastics industry
- Food technology
- Printing industry
- Ceramics and tile industry
- Environmental technology
- Vacuum sewerage
- Textile industry
- Paper industry

Claw vacuum pumps and compressors

Technical data

	Nominal suction capacity/ volumetric flow m³/h		Ultimate pressure hPa	Max. over-pressure bar(g)		Nominal motor rating kW		Nominal motor speed rpm		Noise level dB(A)		Weight approx. kg	Max. dimensions mm	Application-orientated versions
	50 Hz	60 Hz		50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz	50 Hz	60 Hz			
Vacuum														
Mink MI 2122 BV	120	145	20	-	4	5.5	3000	3600	81	84	145	145	1011 x 434 x 366	O ₂ D G
Mink MM 1104 BV	62	75	60	-	1.1	1.5	1500	1800	66	70	175	175	982 x 421 x 572	O ₂ D G
Mink MM 1144 BV	78	96	60	-	1.5	2.2	1500	1800	66	70	175	175	982 x 421 x 572	O ₂ D G
Mink MM 1102 BV	105	135	60	-	2.2	3.0	3000	3600	75	79	175	180	982 x 421 x 572	O ₂ D G
Mink MI 2124 BV	50	60	20	-	1.5	2.2	1500	1800	75	77	125	135	963 x 425 x 366	
Mink MM 1142 BV	140	175	60	-	3.0	4.0	3000	3600	75	79	175	185	1003 x 421 x 572	O ₂ D G
Mink MM 1324 AV	160	192	60	-	3.0	3.6	1500	1800	70	74	245	260	1090 x 515 x 687	O ₂ D G
Mink MM 1202 AV	200	240	100	-	4.0	4.8	3000	3600	75	79	225	230	1080 x 515 x 687	O ₂ D G
Mink MM 1252 AV	250	300	100	-	4.5	5.5	3000	3600	75	79	235	240	1090 x 515 x 687	O ₂ D G
Mink MM 1322 AV	300	360	150	-	5.5	6.5	3000	3600	77	82	275	275	1143 x 515 x 687	O ₂ D G
Mink MI 1502 BV	500	580	250	-	9.2	15	3000	3600	85	88	235	310	1319 x 744 x 725	
Over-pressure														
Mink MM 1104 BP	62	75	-	2.0	2.2 - 4.0	2.2 - 4.0	1500	1800	71	73	155	155	1085 x 430 x 588	D G
Mink MM 1144 BP	78	96	-	2.0	2.2 - 4.0	3.0 - 5.5	1500	1800	71	73	160	160	1095 x 430 x 588	D G
Mink MM 1102 BP	105	135	-	2.0	4.0 - 7.5	5.5 - 8.6	3000	3600	78	81	160	160	1140 x 430 x 588	D G
Mink MM 1142 BP	140	175	-	2.0	5.5 - 11.0	7.5 - 12.6	3000	3600	78	81	165	165	1225 x 430 x 588	D G
Mink MM 1202 AP	200	240	-	2.0	5.5 - 11.0	7.5 - 17.3	3000	3600	80	83	210	210	1285 x 515 x 664	D G
Mink MM 1252 AP	250	300	-	2.0	7.5 - 15.6	8.6 - 17.3	3000	3600	81	84	230	230	1356 x 515 x 664	D G
Mink MM 1322 AP	300	360	-	2.0	11.0 - 18.5	12.6 - 21.3	3000	3600	82	85	255	255	1422 x 515 x 664	D G
Mink MI 1502 BP	500	580	-	2.0	15 - 30	18.5 - 30	3000	3600	87	92	390	390	1387 x 895 x 505	D G

Variants



Oxygen version
Special version for discharging oxygen



Ex version (ATEX)
In accordance with 94/9/EC (ATEX 95) for dust



Ex version (ATEX)
In accordance with 94/9/EC (ATEX 95) for gas



Mink MP 0500 AV
with suction capacity
of 500 m³/h

Accessories



With our extensive accessories range, Mink claw vacuum pumps can be perfectly adapted to your process.

- Separators
- Inlet filters
- Liquid and dust separators
- Solenoid valves
- Ball valves
- Butterfly valves
- Measuring instruments
- Vacuum and pressure switches
- Acoustic enclosures
- Silencers
- Vacuum chambers
- Vacuum regulating valves
- Limiting valves
- Connecting parts

Dr.-Ing. K. Busch GmbH Schauinslandstraße 1 D 79689 Maulburg Phone +49 (0)7622 681-0 Fax +49 (0)7622 5484 www.busch.de

Amsterdam Auckland Bangkok Barcelona Basel Birmingham Brno Brussels Budapest Buenos Aires Copenhagen Dublin Gothenburg Helsinki Istanbul Johannesburg Kuala Lumpur Maulburg Melbourne Milan Monterrey Montreal Moscow New York Oslo Paris Porto Pune Santiago de Chile Sao Paulo Seoul Shanghai Singapore Taipei Tel Aviv Tokyo Vienna Warsaw