



VACUMASTER 2000 horizontal

Maximum load 2000 kg



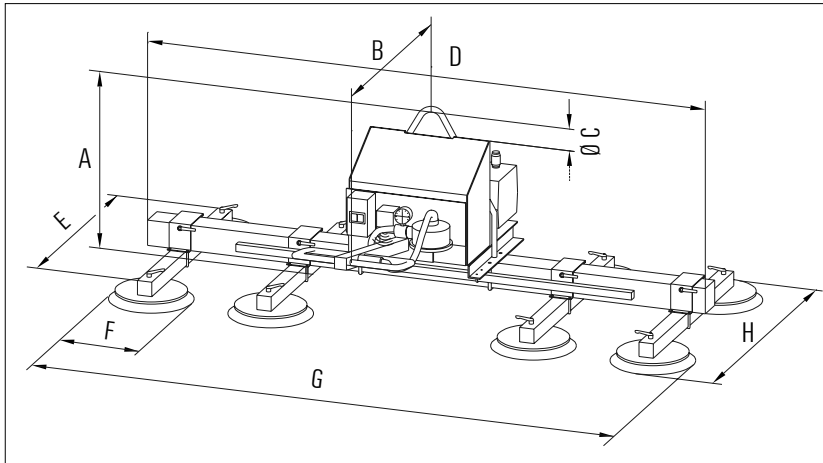
J. Schmalz GmbH
 Acher Straße 29 · D-72293 Glatten
 Phone 0 74 43/24 03-301, Fax -399
 Internet: www.vacuworld.com
 E-mail: schmalz@schmalz.de

Technical Catalogue

VM 04/04

VACUMASTER 2000: complete units (400 V versions)

Type	Handlebar length	Pump capacity	Qty.	Suction pad		Mounting	Length of main beam	Own weight	Article No.
				Ø	Type				
VACUMASTER 2000-2	910 mm	16 m ³ /h	2	900 x 520 mm	SPLS	rigid	2000 mm	229 kg	12.02.07.00216
VACUMASTER 2000-8	910 mm	10 m ³ /h	8	360 mm	SPU	spring loaded/flexible	4000 mm	345 kg	12.02.07.01597



VACUMASTER 2000: technical data and dimensions

Number of suction pads	1	2	4	4	6	8
Type of suction pad	SPLS (standard)	SPLS (standard)	SPU (standard)	SPK (special)	SPU (standard)	SPU (standard)
A Overall height	–	820 mm	–	–	–	1000 mm
B Handlebar length	–	910 or 1250 mm	–	–	–	910 or 1250 mm
C Crane eye	–	Ø 90 mm	–	–	–	Ø 90 mm
D Length of main beam	–	–	Standard: 2000 or 4000 mm			
E Length of cross beam	–	–	–	–	–	1200 mm
F Suction pad diameter	–	900 x 520 mm	–	–	–	Ø 360 mm
Surface of the load	–	smooth, slightly rough, slightly scaly or rusty				
Type of suction pad mounting	–	rigid	–	–	–	spring loaded/flexible
G x H Minimum suction pad spacing (outer edges)	–	G = 1230 mm	–	–	–	2030 x 760 mm
G x H Maximum suction pad spacing (outer edges)	–	G = D + F – 100 mm	G = beam length D plus suction pad diameter F H = beam length E plus suction pad diameter F minus 80 mm			

Ordering data

Selection aids

Component: basic body

Type	Weight	Article No.
BK VM 1000/2000	44 kg	12.02.07.00073

Component: handlebar

Type	Length	Weight	Article No.
BB VM-KPL-910-F3/4	910 mm	6.1 kg	12.02.07.00080
BB VM-KPL-1250-F3/4	1250 mm	7.7 kg	12.02.07.00084

Handlebar

Length	Max. workpiece width
910 mm	up to 1820 mm
1250 mm	up to 2500 mm



VACUMASTER 2000 horizontal

Maximum load 2000 kg



J. Schmalz GmbH
 Aacher Straße 29 · D-72293 Glatten
 Phone 0 74 43/24 03-301, Fax -399
 Internet: www.vacuworld.com
 E-mail: schmalz@schmalz.de

Technical Catalogue VM 04/04

Surface classes (for selection of the pump power and suction pad type)					
Material	Type	Surface condition	Material	Type	Surface condition
Metal	M1	smooth, 1 or 2 suction pads on VACUMASTER	Glass and plastics	G1	smooth, 1 or 2 suction pads on VACUMASTER
	M2	smooth, 4, 6 or 8 suction pads/rough, slightly rusty or scaly		G2	smooth, 4, 6 or 8 suction pads on VACUMASTER
	M3	structured (including checkerplate) or very rusty		G3	structured
Wood	H1	laminated	Stones	S1	natural stone, ground and polished
	H2	planed solid wood		S2	natural stone, flamed + broken, smooth cement
	H3	veneered wood, smoothly sawn solid wood		S3	concrete

Ordering data

Component: vacuum generator				
Type	Suction capacity & Power	Weight	Article No.	
VE VM-EVE 10D-HORIZ-230V	10 m³/h; 0,37 kW	20.2 kg	12.02.07.01360	
VE VM-EVE 10D-HORIZ-400V	10 m³/h; 0,37 kW	20.2 kg	12.02.07.01361	
VE VM-EVE 10D-HORIZ-460V	10 m³/h; 0,37 kW	20.5 kg	12.02.07.01362	
VE VM-EVE 16D-HORIZ-230V	16 m³/h; 0,55 kW	22.2 kg	12.02.07.01363	
VE VM-EVE 16D-HORIZ-400V	16 m³/h; 0,55 kW	22.2 kg	12.02.07.01364	
VE VM-EVE 16D-HORIZ-460V	16 m³/h; 0,55 kW	22.5 kg	12.02.07.01365	

Always indicate supply voltage when ordering!

Component: main beam				
Type	Length	Weight	Article No.	
MAIN BEAM-2000-VM 2000	2000 mm	71 kg	12.02.07.00112	
MAIN BEAM-4000-VM 2000	4000 mm	142 kg	12.02.07.00113	

Component: suction-pad system					
Type	Qty.	Type	Weight	Article No.	
SAS VM 2000-2 SPLS 900 x 520 S	2	SPLS	85.9 kg	12.02.07.00163	
SAS VM 2000-8 SPU 360B GG	8	SPU	123 kg	12.02.07.00811	

Component: vacuum distributor				
Type	Length	Weight	Article No.	
DISTRIBUTOR-VM-KPL40-1500	1500 mm	6.1 kg	12.02.07.00018	
DISTRIBUTOR-VM-KPL40-2800	2800 mm	10.1 kg	12.02.07.00019	

Selection aids

Vacuum generator: suction capacity					
Suction capacity	Metal	Wood	Stone	Glass and plastics	
10 m³/h	M2	–	–	G2	
16 m³/h	M1 & M3	H1–H3	S1–S3	G1 & G3	

Vacuum generator: electric power				
Type	Suction capacity	Available supply voltage		
"230 V"	10 m³/h and 16 m³/h	3– 200–240 V (Δ) 50 Hz; 200–250 V (Δ) 60 Hz		
"400 V"	10 m³/h and 16 m³/h	3– 346–420 V (Y) 50 Hz; 346–430 V (Y) 60 Hz		
"460 V"	10 m³/h and 16 m³/h	3– 346–420 V (Y) 50 Hz; 346–460 V (Y) 60 Hz		

Main beam and suction pads									
Thickness	Format of sheet metal in mm								
	1250 x 2500		1500 x 3000		2000 x 4000		2000 x 6000		
	No. of pads	Main beam	No. of pads	Main beam	No. of pads	Main beam	No. of pads	Main beam	
4.0 mm	2 pc.	2000 mm	8 pc.	2000 mm	8 pc.	4000 mm	8 pc.	4000 mm	5400 mm*
5.0 mm	2 pc.	2000 mm	8 pc.	2000 mm	8 pc.	4000 mm	8 pc.	4000 mm	5400 mm*
6.0 mm	2 pc.	2000 mm	8 pc.	2000 mm	8 pc.	4000 mm	8 pc.	4000 mm	5400 mm*
8.0 mm	2 pc.	2000 mm	8 pc.	2000 mm	8 pc.	4000 mm	8 pc.	4000 mm	4000 mm
10 mm	2 pc.	2000 mm	2 pc.	2000 mm	8 pc.	4000 mm	8 pc.	4000 mm	4000 mm
15 mm	2 pc.	2000 mm	2 pc.	2000 mm	8 pc.	4000 mm	8 pc.	4000 mm	4000 mm
20 mm	2 pc.	2000 mm	2 pc.	2000 mm	2 pc.	2000 mm	8 pc.	4000 mm	4000 mm
25 mm	2 pc.	2000 mm	2 pc.	2000 mm	2 pc.	2000 mm	–	–	–
30 mm	2 pc.	2000 mm	2 pc.	2000 mm	2 pc.	2000 mm	–	–	–
40 mm	2 pc.	2000 mm	2 pc.	2000 mm	–	–	–	–	–
50 mm	2 pc.	2000 mm	2 pc.	2000 mm	–	–	–	–	–
60 mm	2 pc.	2000 mm	–	–	–	–	–	–	–
80 mm	2 pc.	2000 mm	–	–	–	–	–	–	–

* on request

Type of suction pad				
Pad type	Workpiece surface			Glass and plastics
	Metal	Wood	Stone	
SPLS	M1–M3	H1–H3	S1–S3	G1–G3
SPU	M1 & M2	H1–H3	S1	G1 & G2

Vacuum distributor	
Distributor length	Length main beam
1500 mm	2000 mm
2800 mm	4000 mm