

VACUMASTER 500-90° swivelling

Maximum load 500 kg

Technical Catalogue

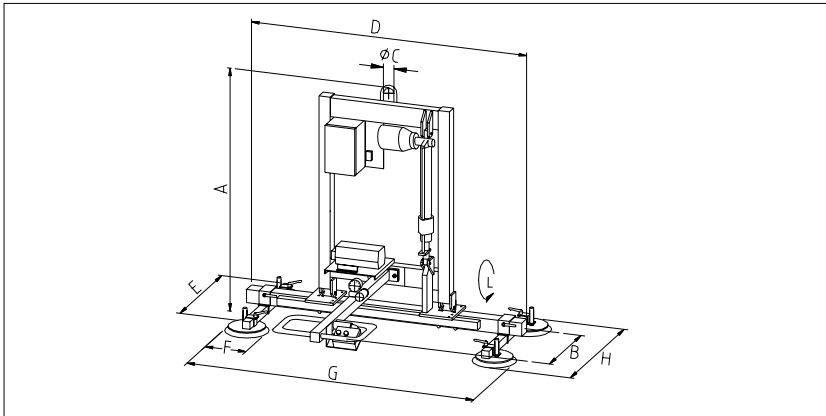
VM 04/04



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VACUMASTER 500-90°: complete units (400 V versions)

Type	Handlebar length	Pump capacity	Qty.	Suction pad		Mounting	Length of main beam	Own weight	Article No.
				∅	Type				
VACUMASTER 500-90-4	660 mm	6 m³/h	4	360 mm	SPU	flexible	1800 mm	126 kg	12.02.08.00605
VACUMASTER 500-90-6	660 mm	10 m³/h	6	360 mm	SPU	flexible	2400 mm	152 kg	12.02.08.00606



VACUMASTER 500-90°: technical data and dimensions

Number of suction pads	1	2	4	4	6	8
Type of suction pad	SPU (standard)	SPU (standard)	SPU (standard)	SPK (special)	SPU (standard)	SPU (standard)
A Overall height	–	–	1440 mm	–	1440 mm	–
B Handlebar length	–	–	660 or 1000 mm	–	660 or 1000 mm	–
C Crane eye	–	–	∅ 56 mm	–	∅ 56 mm	–
D Length of main beam	–	–	Standard: 1800, 2400 or 3000 mm			–
E Length of cross beam	–	–	800 mm	–	800 mm	–
F Suction pad diameter	–	–	∅ 360 mm	–	∅ 360 mm	–
Surface of the load	–	–	smooth, slightly rough, slightly scaly or rusty			–
Type of suction pad mounting	–	–	flexible	–	flexible	–
G x H Minimum suction pad spacing (outer edges)	–	–	1430 x 720 mm	–	1430 x 720 mm	–
G x H Maximum suction pad spacing (outer edges)	–	–	G = beam length D plus suction pad diameter F H = beam length E plus suction pad diameter F minus 80 mm			–
L Swivelling angle	–	–	90°	–	90°	–
Swivelling duration 90°	–	–	13–16 sec	–	13–16 sec	–
Max. workpiece thickness	–	–	120 mm	–	120 mm	–

Ordering data

Component: basic body

Type	Weight	Article No.
BK VM 500-90-6/10D	60 kg	12.02.08.00009
BK VM 500-90-16D-230 V	60 kg	12.02.08.00044
BK VM 500-90-16D-400 V	60 kg	12.02.08.00045

Component: handlebar

Type	Length	Weight	Article No.
BB VM-KPL-660-F3/4	660 mm	6.1 kg	12.02.07.00120
BB VM-KPL-1000-F3/4	1000 mm	7.7 kg	12.02.07.00121

Selection aids

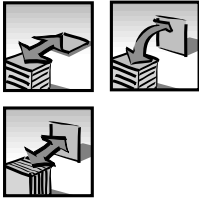
Basic body

Type	Vacuum generator	Available supply voltage
... 6/10D: please indicate when ordering	VE VM-EVE 6D-90 VE VM-EVE 10D-90	3- 200–245 V (Δ) 50 Hz; 200–250 V (Δ) 60 Hz
... 6/10D: Standard	VE VM-EVE 6D-90 VE VM-EVE 10D-90	3- 346–420 V (Y) 50 Hz; 346–460 *V (Y) 60 Hz
... 16D-230V	VE VM-EVE 16D-90	3- 200–245 V (Δ) 50 Hz; 200–250 V (Δ) 60 Hz
... 16D-400V	VE VM-EVE 16D-90	3- 346–420 V (Y) 50 Hz; 346–460 *V (Y) 60 Hz

* 430-460 V (Y) 60 Hz needs transformer (see page 28)

Handlebar

Length	Max. workpiece width
660 mm	up to 1320 mm
1000 mm	up to 2000 mm



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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 6D-90	6 m³/h; 0.25 kW	7.7 kg	12.02.08.00035
VE VM-EVE 10D-90	10 m³/h; 0.37 kW	19.2 kg	12.02.08.00006
VE VM-EVE 16D-90	16 m³/h; 0.55 kW	21.2 kg	12.02.08.00022

Always indicate supply voltage when ordering!

Component: main beam

Type	Length	Weight	Article No.
MAIN BEAM-1800-VM 500	1800 mm	17.2 kg	12.02.07.00107
MAIN BEAM-2400-VM 500	2400 mm	22.6 kg	12.02.07.00108
MAIN BEAM-3000-VM 500	3000 mm	28.7 kg	12.02.07.00109

Component: suction-pad system

Type	Qty.	Type	Weight	Article No.
SAS VM 500-90-4 SPU 360B GEL	4	SPU	29.0 kg	12.02.08.00330
SAS VM 500-90-6 SPU 360B GEL	6	SPU	38.0 kg	12.02.08.00331

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
6 m³/h	M2	H1	S1	G2
10 m³/h	M3	H2	S2	G3
16 m³/h	–	H3	S3	–

Vacuum generator: electric power

Type	Suction capacity	Available supply voltage
"230 V"	6 m³/h	3~ 200–255 V (Δ) 50 Hz; 200–277 V (Δ) 60 Hz
"400 V"	6 m³/h	3~ 346–440 V (Y) 50 Hz; 346–480 V (Y) 60 Hz
"230 V"	10 m³/h and 16 m³/h	3~ 200–240 V (Δ) 50 Hz; 200–277 V (Δ) 60 Hz
"400 V"	10 m³/h and 16 m³/h	3~ 346–420 V (Y) 50 Hz; 346–480 V (Y) 60 Hz

Main beam and suction pads

Thickness	Format of sheet metal in mm							
	1000 x 2000		1250 x 2500		1500 x 3000		2000 x 4000	
	No. of pads	Main beam	No. of pads	Main beam	No. of pads	Main beam	No. of pads	Main beam
0.5 mm	4 pc.	1800 mm	4 pc.	1800 mm	6 pc.	2400 mm	6 pc.	4000 mm*
1.0 mm	4 pc.	1800 mm	4 pc.	1800 mm	6 pc.	2400 mm	6 pc.	4000 mm*
1.5 mm	4 pc.	1800 mm	4 pc.	1800 mm	6 pc.	2400 mm	6 pc.	4000 mm*
2.0 mm	4 pc.	1800 mm	4 pc.	1800 mm	6 pc.	2400 mm	6 pc.	4000 mm*
3.0 mm	4 pc.	1800 mm	4 pc.	1800 mm	6 pc.	2400 mm	6 pc.	4000 mm*
5.0 mm	4 pc.	1800 mm	4 pc.	1800 mm	6 pc.	2400 mm	6 pc.	4000 mm*
6.0 mm	4 pc.	1800 mm	4 pc.	1800 mm	6 pc.	2400 mm	6 pc.	4000 mm*
8.0 mm	4 pc.	1800 mm	4 pc.	1800 mm	4 pc.	2400 mm	–	–
10 mm	4 pc.	1800 mm	4 pc.	1800 mm	4 pc.	2400 mm	–	–
12 mm	4 pc.	1800 mm	4 pc.	1800 mm	4 pc.	2400 mm	–	–
15 mm	4 pc.	1800 mm	4 pc.	1800 mm	–	–	–	–
20 mm	4 pc.	1800 mm	4 pc.	1800 mm	–	–	–	–
30 mm	4 pc.	1800 mm	–	–	–	–	–	–

* on request

Vacuum distributor

Distributor length	Length of main beam
1500 mm	1800 mm and 2400 mm
2800 mm	3000 mm