

# VACUMASTER 250-180° swivelling

Maximum load 250 kg

Technical Catalogue

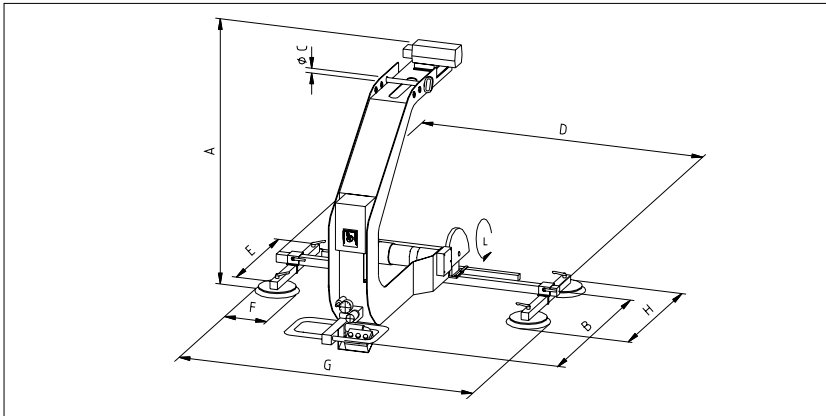
VM 04/04



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## VACUMASTER 250-180°: complete units (workpiece width max. 1500 mm, 400 V versions)

Type	Handlebar length	Pump capacity	Qty.	Suction pad		Mounting	Length of main beam	Own weight	Article No.
				Ø	Type				
VACUMASTER 250-180-4	1300 mm	6 m³/h	4	360 mm	SPU	flexible	1800 mm	149 kg	12.02.09.00162
VACUMASTER 250-180-8	1300 mm	6 m³/h	8	210 mm	SPU	flexible	1800 mm	155 kg	12.02.09.00007



## VACUMASTER 250-180°: 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	–	–	1420 or 1950 mm	1420 or 1950 mm	–	1420 or 1950 mm
B Handlebar length	–	–	1300 or 1550 mm	1300 or 1550 mm	–	1300 or 1550 mm
C Crane eye	–	–	Ø 25 mm	Ø 25 mm	–	Ø 25 mm
D Length of main beam	–	–	Standard: 1800, 2400 or 3000 mm			
E Length of cross beam	–	–	800 mm	800 mm	–	800 mm
F Suction pad diameter	–	–	Ø 360 mm	Ø 250 mm	–	Ø 210 mm
Surface of the load	–	–	smooth, slightly rough	rough or structured	–	smooth, slightly rough
Type of suction pad mounting	–	–	flexible	flexible	–	flexible
G x H Minimum suction pad spacing (outer edges)	–	–	980 x 660 mm	870 x 500 mm	–	1250 x 420 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	–	–	180°	180°	–	180°
Swivelling duration 180°	–	–	6–9 sec	6–9 sec	–	6–9 sec
Max. workpiece thickness	–	–	80 mm	80 mm	–	80 mm
(TB) Max. workpiece width	–	–	1500, 2000 or 2500 mm			

## Ordering data

### Component: basic body

Type	Weight	Article No.
BK VM 125/250-180-TB 1.5	93 kg	12.02.09.00001
BK VM 125/250-180-TB 2.0	113 kg	12.02.09.00002
BK VM 125/250-180-TB 2.5	153 kg	12.02.09.00009

### Component: handlebar

Type	Length	Weight	Article No.
integrated in the basic body			

## Selection aids

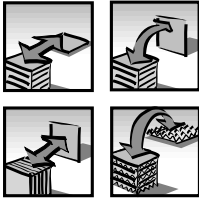
### Basic body

Type	Available power supply
Please indicate when ordering	3–200–230 V (Δ) 50 Hz; 200–250 V (Δ) 60 Hz
Standard	3–346–400 V (Y) 50 Hz; 346–460 *V (Y) 60 Hz

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

### Basic body: workpiece width

Type	Max. workpiece width
... TB 1.5	1500 mm
... TB 2.0	2000 mm
... TB 2.5	2500 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

Always indicate supply voltage when ordering!

### Component: main beam

Type	Length	Weight	Article No.
MAIN BEAM-1800-VM 125/250	1800 mm	15.3 kg	12.02.07.00104
MAIN BEAM-2400-VM 125/250	2400 mm	20.2 kg	12.02.07.00105
MAIN BEAM-3000-VM 125/250	3000 mm	25.5 kg	12.02.07.00106

### Component: suction-pad system

Type	Qty.	Type	Weight	Article No.
SAS VM 250-90-4 SPU 360B GEL	4	SPU	28.2 kg	12.02.08.00329
SAS VM 250-90-4 SPK 250 GEL	4	SPK	21.0 kg	12.02.08.00033
SAS VM 250-90-8 SPU 210 GEL	8	SPU	34.8 kg	12.02.08.00028

### Component: vacuum distributor

Type	Length	Weight	Article No.
DISTRIBUTOR-VM-KPL30-1500	1500 mm	4.5 kg	12.02.07.00010
DISTRIBUTOR-VM-KPL30-2800	2800 mm	7.3 kg	12.02.07.00011

## 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 & H3	S2 & S3	G3

### Vacuum generator: electric power

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

### Main beam and suction pads

Thick-ness	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	8 pc.	1800 mm	8 pc.	2400 mm	8 pc.	4000 mm*
1.0 mm	4 pc.	1800 mm	8 pc.	1800 mm	8 pc.	2400 mm	8 pc.	4000 mm*
1.5 mm	4 pc.	1800 mm	8 pc.	1800 mm	8 pc.	2400 mm	8 pc.	4000 mm*
2.0 mm	4 pc.	1800 mm	8 pc.	1800 mm	8 pc.	2400 mm	8 pc.	4000 mm*
2.5 mm	4 pc.	1800 mm	8 pc.	1800 mm	8 pc.	2400 mm	8 pc.	4000 mm*
3.0 mm	4 pc.	1800 mm	8 pc.	1800 mm	8 pc.	2400 mm	8 pc.	4000 mm*
4.0 mm	4 pc.	1800 mm	8 pc.	1800 mm	8 pc.	2400 mm	8 pc.	4000 mm*
5.0 mm	4 pc.	1800 mm	4 pc.	1800 mm	8 pc.	2400 mm	—	—
6.0 mm	4 pc.	1800 mm	4 pc.	1800 mm	8 pc.	2400 mm	—	—
8.0 mm	4 pc.	1800 mm	4 pc.	1800 mm	—	—	—	—
10 mm	4 pc.	1800 mm	4 pc.	1800 mm	—	—	—	—
12 mm	4 pc.	1800 mm	—	—	—	—	—	—
15 mm	4 pc.	1800 mm	—	—	—	—	—	—

\* on request

### Type of suction pad

Pad type	Workpiece surface			Glass and plastics
	Metal	Wood	Stone	
SPU	M2	H1-H3	S1	G2
SPK	M3	—	S2 & S3	G3

### Vacuum distributor

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