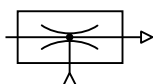


Vacuum

Single stage vacuum pumps

M/58112



Very high induced air capacity
14% lower air consumption than comparable single stage units
No wearing parts
Allows direct connection of suction cups and piped exhaust facility

Technical data

Medium

Compressed air, filtered and non-lubricated

Operating pressure

5 bar optimum
 8 bar maximum

Operating temperature

-20° to +150°C

Consult our Technical Service for use below +2°C

Vacuum

-0,85 bar maximum (M/58112/09)
 -0,90 bar maximum (M/58112/11)

Weight

0,054 kg (M/58112/09)
 0,157 kg (M/58112/11)

Sound level

66/74 dB (A) vacuum port closed/open (M/58112/09)
 71/82 dB (A) vacuum port closed/open (M/58112/11)

Materials

Housing: anodised aluminium
 Nozzles: brass

Induced air (NL/min), free air

Model	0 bar	- 0,1 bar	- 0,2 bar	- 0,3 bar	- 0,4 bar
M/58112/09	28	24	18	14	11
M/58112/11	55	47	36	28	23

Model	- 0,5 bar	- 0,6 bar	- 0,7 bar	- 0,8 bar
M/58112/09	8	5,5	3	1
M/58112/11	17	12	6	2,5

Vacuum

Single stage vacuum pumps

M/58112

Time (sec) for evacuation of 1 litre volume to vacuum

Model	- 0,1 bar	- 0,2 bar	- 0,3 bar	- 0,4 bar	- 0,5 bar
M/58112/09	0,27	0,56	0,89	1,44	2,00
M/58112/11	0,15	0,31	0,49	0,72	1,00

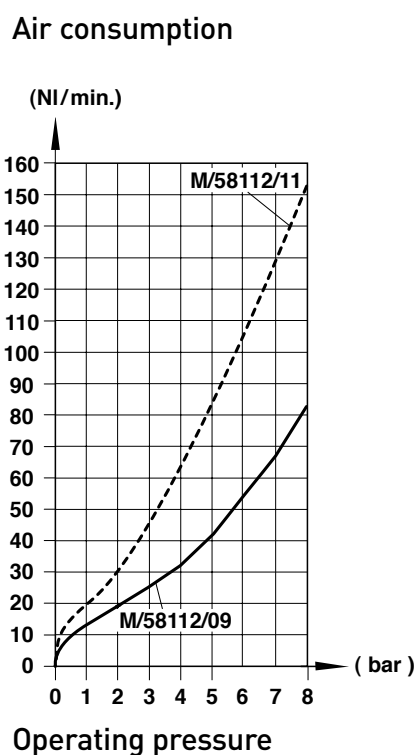
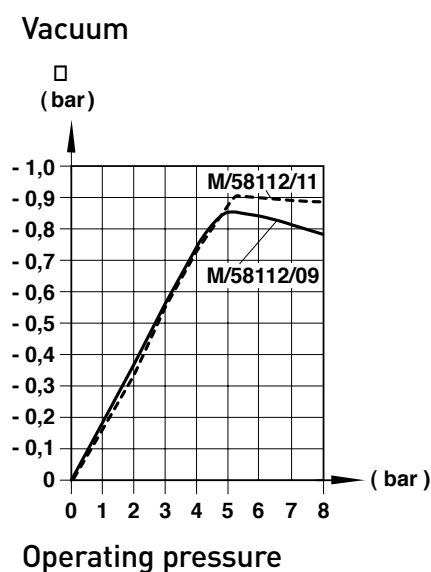
Model	- 0,6 bar	- 0,7 bar	- 0,8 bar	-0,85 bar	-0,9 bar
M/58112/09	2,88	4,31	7,97	14,36	–
M/58112/11	1,41	2,08	3,71	5,60	8,11

Note: Values given in the tables are theoretical and apply to an operating pressure of 5 bar.

Recommended tube dimensions (internal diameter)

Model	Compressed air	Vacuum	Exhaust
M/58112/09	> Ø 3	> Ø 5	> Ø 6
M/58112/11	> Ø 3	> Ø 7	> Ø 9

Operating characteristics



Vacuum

Suction cup

M/58300

Ø 6 to 50 mm



Flat cups ideal where minimal movement is required for pliable materials

Bellows cups ideal where level compensation is required

Technical data

Medium

Vacuum

Operating temperature

-10°C to +70°C for nitrile rubber cups

Materials

M/58000/01

Cups: nitrile rubber

Connection fittings: aluminium

Model	Ø	Fy (N)			R	S	V	
		mm	-0,2 bar	-0,6 bar				kg
Flat	mm				(mm)	(mm)	(cm3)	
M/58301/01	6	0,5	1,5	2,3	5	1,5	0,017	0,001
M/58302/01	8	1	2,5	3,5	7	1,5	0,041	0,001
M/58303/01	10	1,5	4	6	9	2	0,065	0,001
M/58304/01	15	2,7	8	12	12	4	0,330	0,001
M/58305/01	20	5	15,5	23	13	2	0,500	0,008
M/58306/01	25	9	26,5	40	17,5	2,5	0,750	0,010
M/58307/01	30	11	34	51	26	2,5	1,3	0,012
M/58308/01	40	19	57,5	86	37	3,5	3	0,011
M/58309/01	50	30	91	135	41	4	4,2	0,016
Bellows								
M/58403/01	10	1,5	3,5	5	3	4	0,225	0,003
M/58404/01	15	3	6	8	5	6	0,750	0,004
M/58405/01	20	6	10	14	8	5	1,40	0,005
M/58407/01	30	12	22	28	15	12	4,75	0,013
M/58408/01	40	22	40	50	30	10	9,25	0,017
M/58409/01	50	34	66	84	40	15	26,25	0,026

Note: Theoretical values are given in this table. Always allow a safety factor of >2.

Also available

» Other sizes

Please ask for details