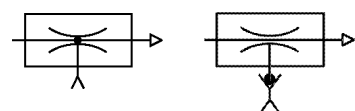


Vacuum

Multi stage vacuum pumps

M/58102



Fast response

Compact, lightweight

Low sound level

Compressed air driven

Simple installation

Standard and non-return valve types

Technical data

Medium:

Compressed air, filtered and non-lubricated

Operation:

Multi ejector system

Operating pressure:
6 bar maximum

Operating temperature:

-20°C to +80°C for M/58102/10
to M/58102/30-20°C to +60°C for M/58102/60
to M/58102/120

Consult our Technical Service for use below +2°C

Vacuum:

-0,87 bar maximum

Materials

M/58102/10 to
M/58102/30ABS vacuum chips with 30%
glass filling

Sub-base: aluminium

Seals: nitrile rubber

M/58102/60 to
M/58102/120

Case: aluminium

End caps: ABS

Mountings: steel

Seals: nitrile rubber or
polyurethane

Model	Type	Silencer**	Induced air (NI/min)*	Air consumption (NI/min)*	kg
M/58102/10	Standard	Ported	80	49	0,080
M/58102/20	Standard	Ported	160	98	0,095
M/58102/30	Standard	Ported	240	144	0,110
M/58102/60	Standard	Integral	480	285	0,855
M/58102/90	Standard	Integral	708	471	1,105
M/58102/120	Standard	Integral	910	528	1,150
M/58102/N/10	Non-return valve	Ported	80	49	0,080
M/58102/N/20	Non-return valve	Ported	160	98	0,095
M/58102/N/30	Non-return valve	Ported	240	144	0,110
M/58102/N/60	Non-return valve	Integral	480	285	0,855
M/58102/N/90	Non-return valve	Integral	708	471	1,105
M/58102/N/120	Non-return valve	Integral	910	528	1,150

*Values given are theoretical and apply to an operating pressure of 6 bar.

**For models with ported silencer, use silencer number M/58019, for model with integral silencer use gauge M/58080

Characteristics

Induced air (NI/min), free air

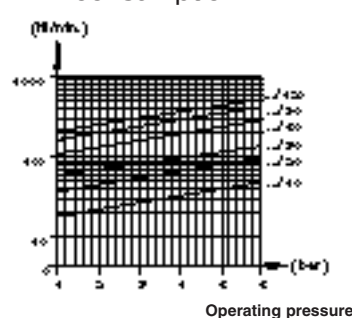
Model	0 bar	-0,1 bar	-0,2 bar	-0,3 bar	-0,4 bar	-0,5 bar	-0,6 bar	-0,7 bar	-0,8 bar
M/58102/10	80	55	32	28	25	18	13	5	1,5
M/58102/20	160	110	64	56	50	36	26	10	3
M/58102/30	240	165	96	84	75	54	39	15	4,5
M/58102/60	480	270	182	168	150	108	78	30	9
M/58102/90	708	427	273	252	225	162	117	45	13,5
M/58102/120	910	568	355	336	300	216	156	60	18

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

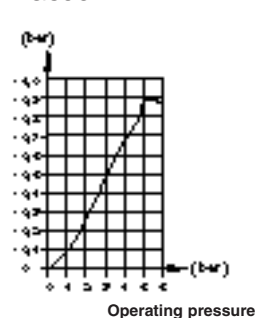
Model	-0,1 bar	-0,2 bar	-0,3 bar	-0,4 bar	-0,5 bar	-0,6 bar	-0,7 bar	-0,8 bar	-0,85 bar
M/58102/10	0,070	0,200	0,450	0,750	1,150	1,730	2,610	4,130	5,820
M/58102/20	0,035	0,100	0,230	0,370	0,570	0,860	1,320	2,070	2,920
M/58102/30	0,023	0,070	0,150	0,250	0,380	0,580	0,870	1,380	1,940
M/58102/60	0,012	0,034	0,080	0,120	0,190	0,290	0,440	0,690	0,970
M/58102/90	0,007	0,023	0,050	0,080	0,130	0,190	0,290	0,460	0,650
M/58102/120	0,006	0,017	0,040	0,060	0,100	0,150	0,220	0,350	0,490

Note: Values given in the tables are theoretical and apply to an operating pressure of 6 bar.

Air consumption



Vacuum



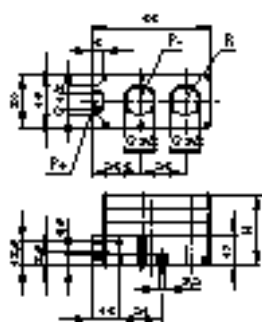
Multi stage vacuum pumps

M/58102

Recommended tube dimensions (internal diameter)

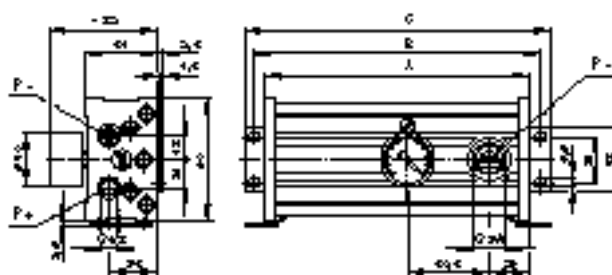
Model	Compressed air	Vacuum	Exhaust
M/58102/10	> Ø 3	> Ø 7	> Ø 9
M/58102/20	> Ø 3	> Ø 7	> Ø 9
M/58102/30	> Ø 4	> Ø 9	> Ø 9
M/58102/60	> Ø 4	> Ø 19	—
M/58102/90	> Ø 5	> Ø 19	—
M/58102/120	> Ø 5	> Ø 22	—

M/58102/10, M/58102/20, M/58102/30
M/58102/N/10, M/58102/N/20, M/58102/N/30



	H
M/58102/10	24,5
M/58102/20	32
M/58102/30	39,5

M/58102/60, M/58102/90, M/58102/120
M/58102/N/60, M/58102/N/90, M/58102/N/120



	A	B	C
M/58102/60	136	154	168
M/58102/90	196	214	228
M/58102/120	196	214	228