M/58112

Vacuum pumps
-0,85 or -0,9 bar

Very high induced air capacity

Compatible with a wide range of vacuum line contaminants

Allows direct connection of suction cups and piped exhaust facility

Compact design

Technical data

Medium:
Compressed air, filtered and non-lubricated

Operation:
Single stage ejector

Operating pressure:
Optimum 5 bar, 8 bar max.

Vacuum:
-0,85 bar max. (M/58112/09)
-0,90 bar max. (M/58112/11)

Operating temperature:
-20 to 150°C max.
(consult our technical service
for use below +2°C)

Sound level:
66 to 74 dB (A) – M/58112/09
71 to 82 dB (A) – M/58112/11

Materials:

Housing: anodised aluminium,
Nozzles: brass

Ordering example

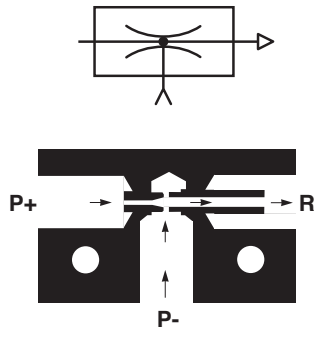
To order a vacuum pump -0,90 bar vacuum
Quote: **M/58112/11**

Accessories

Electric vacuum switch
see page N/UK **4.3.**111

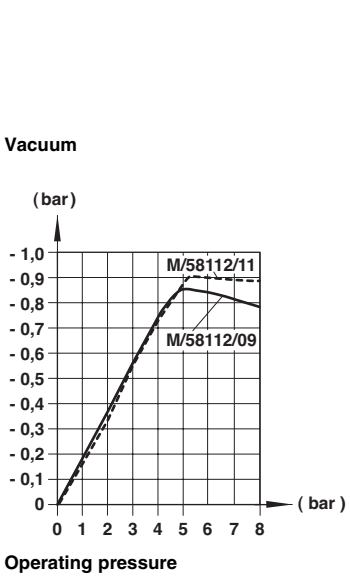
Electronic vacuum switch
see page N/UK **4.3.**121

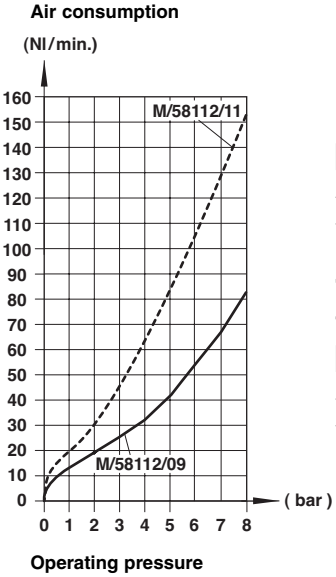
Bellows suction cups see page N/UK **3.5.**031
Flat suction cups see page N/UK **3.5.**011



Characteristics

(all values given apply to an atmospheric pressure of 1013 mbar)





Induced air (Nl/min), free air

Type	0	- 0,1	- 0,2	- 0,3	- 0,4	- 0,5	- 0,6	- 0,7	- 0,8
M/58112/09	28	24	18	14	11	8	5,5	3	1
M/58112/11	55	47	36	28	23	17	12	6	2,5

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

Type	- 0,1	- 0,2	- 0,3	- 0,4	- 0,5	- 0,6	- 0,7	- 0,8	0,85	0,9
M/58112/09	0,27	0,56	0,89	1,44	2,00	2,88	4,31	7,97	14,36	–
M/58112/11	0,15	0,31	0,49	0,72	1,00	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

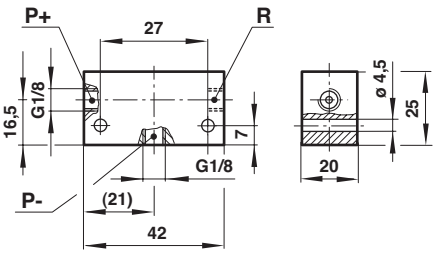
Tube dimensions

Recommended tube dimensions (internal diameter)

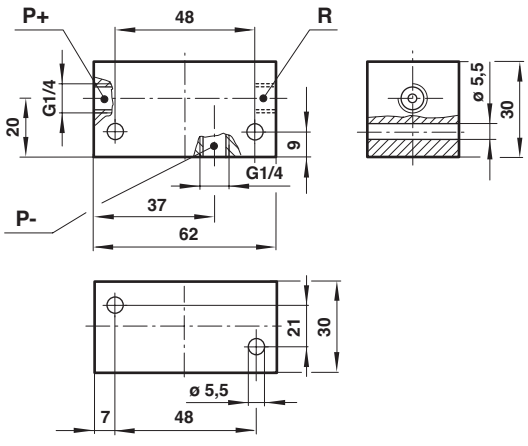
Type	Compressed air	Vacuum	Exhaust
M/58112/09	⩾ Ø 3	⩾ Ø 6	⩾ Ø 6
M/58112/11	⩾ Ø 3	⩾ Ø 7	⩾ Ø 9

Basic dimensions

M/58112/09 (Weight: 0,054 kg)



M/58112/11 (Weight: 0,157 kg)



Warning

These products are intended for use in industrial compressed air systems only. Do not use these products where pressures and temperatures can exceed those listed under '**Technical Data**'.

Before using these products with fluids other than those specified, for non-industrial applications, life-support systems, or other applications not within published specifications, consult NORGREN.

Through misuse, age, or malfunction, components used in fluid power systems can fail in various modes.

The system designer is warned to consider the failure modes of all component parts used in fluid power systems and to provide adequate safeguards to prevent personal injury or damage to equipment in the event of such failure.
System designers must provide a warning to end users in the system instructional manual if protection against a failure mode cannot be adequately provided.
System designers and end users are cautioned to review specific warnings found in instruction sheets packed and shipped with these products.