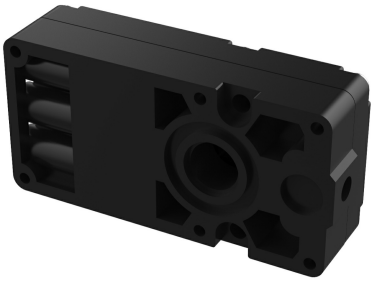
Datasheet

Vacuum pump MINI M10L, conn. A, NBR sealings, non-return valve

Article number: 0102872



- Medium vacuum levels to 84 -kPa
- Small size and low weight
- Operates at only 0.38 MPa
- Use o-ring 19.1x1.6mm for mounting pump

Technical data

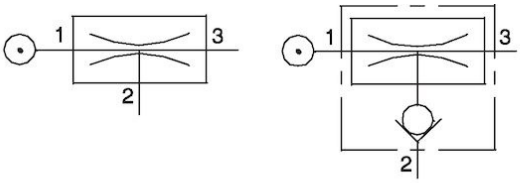
Description	Unit	Value
Material	-	Nitrile (NBR), PA, POM, SS
Temperature, max.	°C	80
Temperature, min.	°C	-20
Weight, min.	g	30
Feed pressure, max.	MPa	0.7
Noise level, max.	dBA	68
Noise level, min.	dBA	57

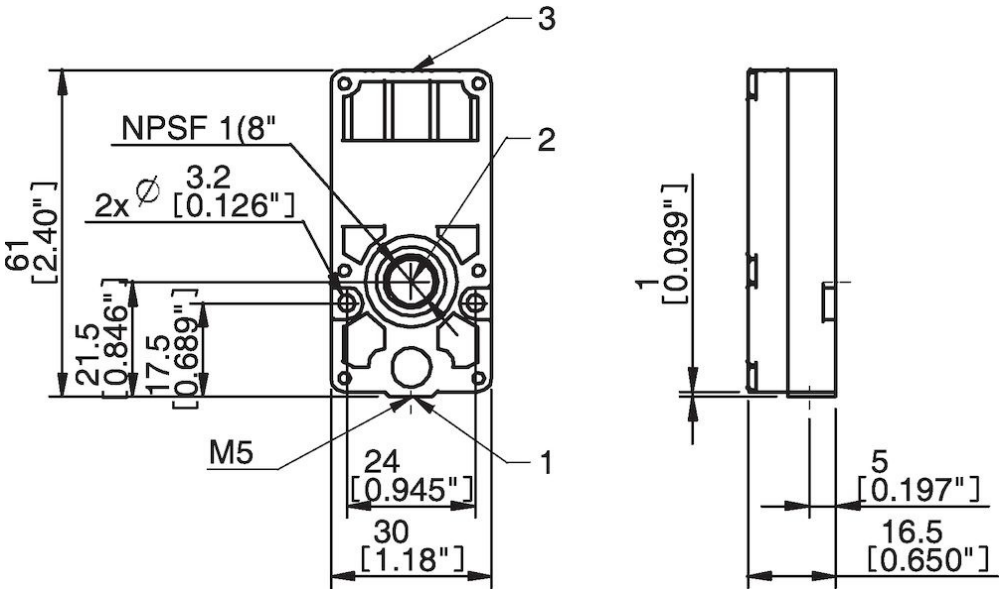
Performance

Feed pressure	Air consumption	Vacuum flow (Nl/s) at different vacuum levels (-kPa)													Max vacuum
MPa	Nl/s	0	10	20	30	40	50	60	70	75	80	90	95	99	kPa
0.38	0.76	1.1	0.57	0.39	0.35	0.3	0.21	0.12	0.06	0	0.02	0	0	0	≥81
0.6	1.1	1.3	0.91	0.48	0.29	0.26	0.21	0.13	0.09	0	0.03	0	0	0	≥84

Feed pressure	Air consumption	Evacuation time (s/l) to reach different vacuum levels (-kPa)													Max vacuum
MPa	Nl/s	10	20	30	40	50	60	70	80	90	95	99	99.5	100.3	kPa
0.38	0.76	0.13	0.31	0.57	0.9	1.3	2	3.2	7.1	0	0	0	0	0	≥81
0.6	1.1	0.079	0.2	0.5	0.92	1.4	2.1	3	5	0	0	0	0	0	≥84

Dimensional drawings





Values specified in this datasheet are tested at (unless otherwise stated):

- Room temperature (20°C [68°F] ± 3°C [5.5°F]).
- Standard atmosphere (101.3 [29.9 inHg] ± 1.0 kPa [0.3 inHg]).
- Compressed air quality, DIN ISO 8573-1 class 4.

Tolerance and accuracy:

- Feed pressure tolerance ±0.02 MPa [2.9 psi]
- Vacuum flow/evacuation time accuracy ±10%.

Spare parts

3201097 | Sealing kit MINI 5–28, NBR
3201097E | Sealing kit MINI 5–28, EPDM
3201097V | Sealing kit MINI 5–28, Viton®