

Micro-Tec diaphragm vacuum pumps

- **Single and dual stage dry diaphragm vacuum pumps**
- **Integrated vacuum gauge**
- **Model MP850SC with integrated vacuum and pressure gauge**
- **Stable pressure which can be adjusted with a valve**
- **Space saving design with anti-vibration feet**
- **24 hours continuous duty cycle with moderate noise level**
- **Portable**
- **Clean vacuum – no oil vapour**

Micro-Tec oil-free, dry diaphragm vacuum pumps provide a clean vacuum and do not emit any oil vapours. These pumps are maintenance free – no change of vacuum oil change or oil mist filter is needed. They are ideally suited for pumping things like vacuum containers, desiccators or small ovens in a laboratory environment. Another useful application is degassing of embedding resins or other mixtures.



These diaphragm vacuum pumps are designed for continuous operation and produce only a modest noise level (<50dB), with soft rubber vibration dampers providing further sound reduction. Other features include pressure gauges, ports and control valves.

There is a choice of two diaphragm vacuum pumps:

- **Single stage with 30L/min. pumping speed and a maximum vacuum level of 150mbar**
- **Dual stage with 60L/min. pumping speed and a maximum vacuum level of 50mbar**

All pumps are fitted with a valve to adjust the pumping speed and vacuum level – very useful for degassing applications.

Both pumps are supplied with 40 of white silicone thick-walled hose ID Ø6 x OD Ø12mm. This gives a tight push fit over the Ø10mm pump inlet.

For longer hoses with longer lengths (e.g., 61-010030-1) see:
<https://www.labtech.com/em/vacuum-flanges-hoses-fittings>

Specifications and dimensions

	Micro-Tec MP850SC	Micro-Tec MP950D
Product number	60-003850	60-003950
Maximum vacuum	>200mbar (- >800mbar)	50mbar (-950mbar)
Pumping speed	30L/min.	60L/min.
Maximum pressure	30 psi / 2.1 bar	NA
Vacuum gauge	MPa/inches Hg	MPa/inches Hg
Pressure gauge	Bar/PSI	NA
Stages	One	two
Noise level at vacuum	<50dB	<50dB
Valves	2 x vacuum and pressure	<50dB
Hose connection	2 x Ø10mm	Ø10mm
Service temperature	5 – 40°C	5 – 40°C
Power requirements	160W @ 230V/50Hz	180W @ 230V/50Hz
Dimensions (L x W x H)	230 x 170 x 260mm	350 x 135 x 240mm
Weight	7Kg	10.5Kg