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**COMPACT VACUUM PUMPS FOR FILTRATION
AND SOLID PHASE EXTRACTION.**

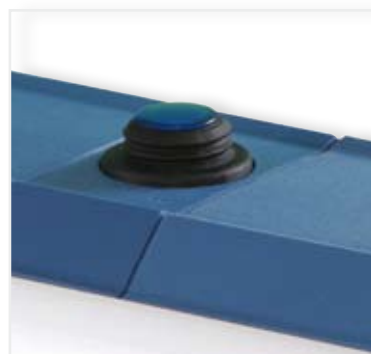
**DIAPHRAGM VACUUM PUMPS
ME 1 AND ME 1C**



Technology for Vacuum Systems

THE IDEAL SOLUTION FOR FILTRATION AND FLUID ASPIRATION IN MICROBIOLOGY AND CHEMISTRY

Vacuum filtration is one of the most common applications used for sample preparation in chemistry, microbiology, waste water control and other analytical processes. The new ME 1 and ME 1C diaphragm pumps offer a compact, high performance and easy-to-use solution which is perfect for both single and multiple filtrations. This new development, based on the highly successful technology of the diaphragm pump series MD 1 and MD 1C, provides a well-proven and extraordinary long diaphragm life time. The functional, space saving and innovative design with visible top mounted power switch ensures convenient and quick operation for day-to-day lab work. Robust PTFE diaphragms and valves provide optimal chemical resistance. An optional manual control valve with dial gauge enables variable fine adjustment of the pumping speed.



PERFORMANCE FEATURES

- convenient, quick and simple to use due to the new top mounted power switch
- whisper quiet and very low vibration
- requires minimal benchtop space
- maintenance-free drive system and proven long diaphragm life
- high chemical resistance (especially ME 1C)



| TECHNICAL DATA | | ME 1 | ME 1C |
|--------------------------------|-------------------|------------------------|----------------------|
| Number of heads / stages | | 1 / 1 | 1 / 1 |
| Max. pumping speed at 50/60 Hz | m ³ /h | 0.7/0.85 | 0.7/0.85 |
| Ultimate vacuum (abs.) | mbar | 100 | 100 |
| Max. back pressure (EX) (abs.) | bar | 1.1 | 1.1 |
| Inlet connection (IN) | | Hose nozzle DN 6/10 mm | Hose nozzle DN 10 mm |
| Outlet connection (EX) | | Silencer / G1/8" | Hose nozzle DN 10 mm |
| Rated motor power | kW | 0.04 | 0.04 |
| Dimensions (L x W x H) | mm | 247 x 121 x 145 | 247 x 121 x 145 |
| Weight | kg | 5.0 | 5.0 |

| ORDERING INFORMATION | | ME 1 | ME 1C |
|----------------------|-----|--------|--------|
| 230 V ~ 50-60 Hz | CEE | 721000 | 721100 |
| 230 V ~ 50-60 Hz | CH | 721001 | 721101 |
| 230 V ~ 50-60 Hz | UK | 721002 | 721102 |
| 100-120 V ~ 50-60 Hz | US | 721003 | 721103 |

| Accessories | ME 1 | Accessories | ME 1C |
|--|------|---|-------|
| Rubber vacuum tubing DN 6 mm (686000) | | Rubber vacuum tubing DN 10 mm (686002) | |
| Rubber vacuum tubing DN 10 mm (686002) | | Vacuum regulation valve with manometer for ME 1C (696843) | |
| Vacuum regulation valve with manometer for ME 1 (696842) | | | |



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