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ONE-STAGE DIAPHRAGM VACUUM PUMPS SUITABLE FOR SINGLE AND PARALLEL LAB APPLICATIONS

DIAPHRAGM VACUUM PUMPS

ME 2 NT AND ME 2C NT



Technology for Vacuum Systems

ME 2 NT - ME 2C NT

One-stage diaphragm pumps are an excellent solution for continuous, oil-free pumping of gases and vapors at low vacuum requirement. In contrast to waterjet pumps they do not consume water and therefore do not produce any contaminated waste water in daily use. Typical applications are vacuum ovens, filtrations and multi-port manifolds for medium through put, as well as pumping of gases and oil-free evacuation in general. The one-stage construction provides the advantageous combination of high pumping speed and low ultimate vacuum down to 70 mbar.

■ Diaphragm pump ME 2 NT

Diaphragm vacuum pumps are an excellent choice for applications with non-corrosive gases and vapors. The materials used in these pumps like aluminum and special plastics are opening a wide range of applications. The highly flexible fabric-reinforced double diaphragm made of FKM is ideal for extended operating life.

■ Chemistry diaphragm pump ME 2C NT

One-stage chemistry diaphragm vacuum pumps are an excellent choice for applications with corrosive gases and vapors which do not require very deep vacuum levels. Typical applications are vacuum ovens, filtrations as well as concentration of solvents with low boiling points. All major parts in contact with pumped media are made of chemically resistant fluoroplastics. The well proven robust PTFE sandwich diaphragm provides outstanding reliability and operating life.



Vacuum regulation valve (mbar/torr) for non-corrosive gases

PERFORMANCE FEATURES

- whisper quiet and very low vibration
- powerful, even for parallel operation of several applications
- high performance even at low vacuum levels
- high chemical resistance especially with ME 2C NT
- long diaphragm life, maintenance-free drive system



VACUU-LAN® Mini-Network: 3 adjustable ports with built-in check valves against interference at parallel applications (e.g., filtrations)

| TECHNICAL DATA | | ME 2 NT | ME 2C NT |
|---------------------------------|-------------------|----------------------|----------------------|
| Number of heads / stages | | 1 / 1 | 1 / 1 |
| Max. pumping speed at 50/60 Hz | m ³ /h | 2.0/2.2 | 2.1/2.4 |
| Ultimate vacuum (abs.) | mbar | 70 | 70 |
| Max. back pressure (EX) (abs.) | bar | 2 | 1.1 |
| Inlet connection (IN) | | Hose nozzle DN 10 mm | Hose nozzle DN 10 mm |
| Outlet connection (EX) | | Silencer / G1/4" | Hose nozzle DN 10 mm |
| Rated motor power | kW | 0.18 | 0.18 |
| Dimensions (L x W x H), approx. | mm | 243 x 211 x 198 | 243 x 211 x 198 |
| Weight, approx. | kg | 10.2 | 10.2 |

ORDERING INFORMATION

| | | | |
|--|-----|---------|----------|
| 230 V ~ 50-60 Hz | CEE | | |
| 230 V ~ 50-60 Hz | UK | ME 2 NT | ME 2C NT |
| | | 730000 | 730100 |
| 100-115 V ~ 50-60 Hz, 120 V ~ 60 Hz | US | 730002 | 730102 |
| With NRTL certification for Canada and the USA | | 730003 | 730103 |

| ACCESSORIES | ME 2 NT |
|---|---------|
| Rubber vacuum tubing DN 10 mm (686002) | |
| VACUU-LAN® Mini-Network (2614455) | |
| Vacuum regulation valve with manometer (696840) | |

| ACCESSORIES | ME 2C NT |
|--|----------|
| Rubber vacuum tubing DN 10 mm (686002) | |
| VACUU-LAN® Mini-Network (2614455) | |