

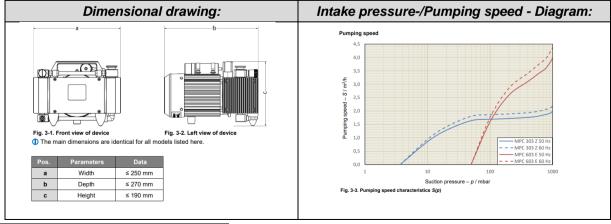
## **Data Sheet (EN)**

Translation of the german original

| Designation, Model:   | Order number: |
|---|---------------|
| Diaphragm pumps, chemical resistant <i>Models:</i> MPC 303 Z 230v | 415722        |
| MPC 603 E 230v  | 415721        |

| Figure: | Description:   |
|---------|--|
|         | The diaphragm pump consists of a pump body and a drive motor.  The pump casing contains the drive unit and two pump heads. Each pump head contains a moulded diaphragm and two work valves. Both pump heads are arranged opposite each other.  The pump heads are driven via an eccentric shaft with a connecting rod. |

| Application:   | Materials ot the medium-affecting pump parts:   |
|--|---|
| The Diaphragm pumps MPC 303 Z and MPC 603 E are intended for:  |   |
| <ul> <li>Pumping and compressing neutral and aggressive gases and vapours according to the resistance of the indicated materials.</li> <li>Generating a vacuum down to an ultimate pressure &lt; 5 mbar.</li> <li>Use in physical and chemical laboratories in trade and industry.</li> <li>Use for vacuum filtration, vacuum distillation and vacuum drying, and other vacuum technology applications.</li> </ul> | <ul> <li>PTFE - Form moulded diaphragms</li> <li>PTFE - Pump heads</li> <li>PTFE - Vacuum hose</li> <li>PEEK - Valves</li> <li>EPDM - Seals</li> <li>PVDF - Screw fittings</li> </ul> |







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| Technical data:  |  |                        |                   |  |
|--|--|------------------------|-------------------|--|
| Parameter  | MPC 603 E  | MPC 303 Z              | Unit              |  |
| Pump stages  | 1  | 2                      | -                 |  |
| Pumping speed DIN 28432                                | 4.0 / 4.4  | 2.0 / 2.2              | m³/h              |  |
| rumping speed Din 20432                                | 66 / 73  | 33 / 36                | I / min           |  |
| Ultimate pressure                                      | < 55   | < 5                    | mbar              |  |
| Ultimate pressure with gas ballast                     | 80   | 8                      | IIIDai            |  |
| Max. Inlet-/Outlet pressure                            | ≤110   | 00                     | mbar              |  |
| Intake port  | Small flange DN 16 KF optionally enclosed Hose nozzle DN 8 for hose inside diameter 8 mm |                        | -                 |  |
| Exhaust port   | Hose nozzle DN 8 for hos   | e inside diameter 8 mm |                   |  |
| Ambient temperature                                    | + 10 to + 40   |                        | °C                |  |
| Max. Operating gas temperature                         | ≤ <b>+</b> 40  |                        |                   |  |
| Bearing  | maintenance-free   |                        | -                 |  |
| Reference surface sound pressure level DIN EN ISO 2151 | < 44   |                        | dB (A)            |  |
| Voltage  | 230  |                        | V                 |  |
| Frequency  | 50/60  |                        | Hz                |  |
| Rotation speed   | 1500   |                        | min <sup>-1</sup> |  |
| Motor power  | 180  |                        | W                 |  |
| Operating mode   | S 1  |                        |                   |  |
| Type of protection DIN EN 60529                        | IP 54/40   |                        | -                 |  |
| Class of insulation DIN EN 600034-1                    | F (160°C)  |                        |                   |  |
| Weight net/(gross)                                     | 11.2/(13.0)  |                        | kg                |  |
| Dimensions W/D/H                                       | 250 / 270 / 190  |                        | mm                |  |

| Accessories: |   |  |   |  |  |  |
|--------------|---|--|---|--|--|--|
|              | Vacuum Control Box Model: VCpro 601  for measuring and regulation of vacuum  Order no. 600100 |  | Vacuum Regulator with dial gauge Model: DBR-A with hose nozzle DN 8, Connection: G1/4" - M12 x 1 to pressure adjustment - suction side Order no. 700458 |  |  |  |
|              | Vacuum hose, Rubber<br>18 / 8 x 5 mm<br><i>Order no.</i> 828310-4                             |  |   |  |  |  |



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## www.wolflabs.co.uk

Tel: 01759 301142

Fax: 01759 301143

sales@wolflabs.co.uk

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