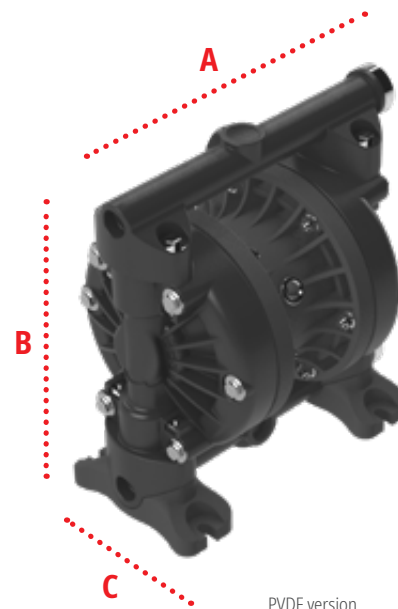
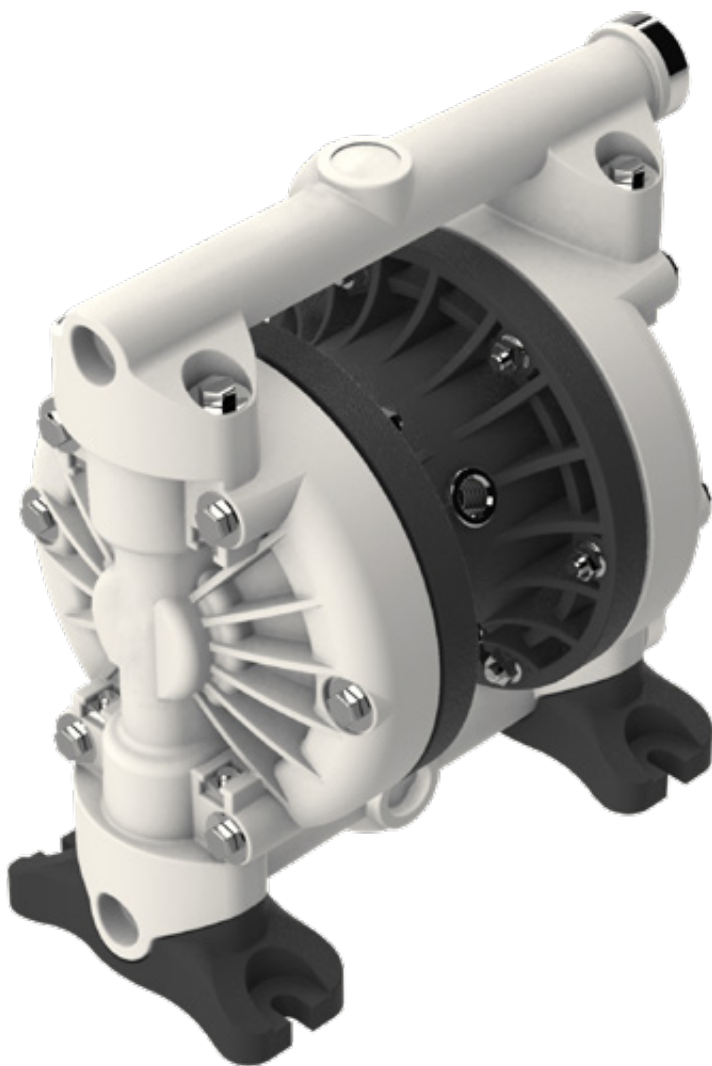


Model 1/2" non-metallic

The double diaphragm pump is suitable for industrial applications as well as for emptying drums, IBCs and tanks.



PVDF version

Dimensions



PP / PVDF

A 243 **B** 261 **C** 160

Dimensions in mm

Detailed dimensioned drawings are available for download on our website.

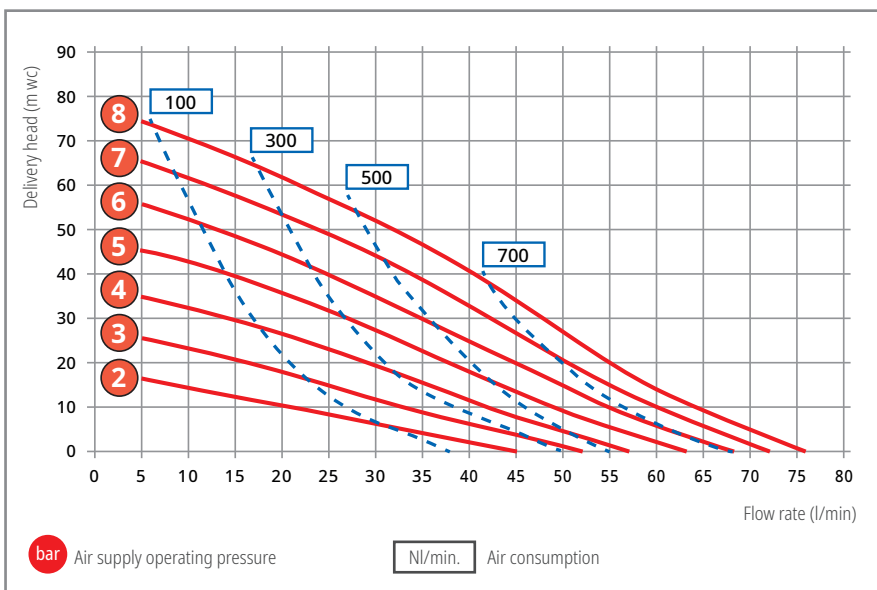
When using a needle valve, the thread extension part no. 5000-712 is required.

| Pump type | Materials | | | | Order No. |
|--|--------------------------------|----------------------------|-------------|-------|-----------------|
| | Housing | Diaphragms | Check balls | Seals | |
| AODD 1/2" PPT | PP (glass fibre reinforced) | TPC-ET + TFM (PTFE) | PTFE | PTFE | 5220-000 |
| AODD 1/2" PPE | PP (glass fibre reinforced) | TPV (EPDM-PP) | EPDM | EPDM | 5220-020 |
| AODD 1/2" PPB | PP (glass fibre reinforced) | NBR | NBR | NBR | 5220-040 |
| AODD 1/2" PPV | PP (glass fibre reinforced) | FPM | FPM | FPM | 5220-050 |
| AODD 1/2" PPT Ex*  | PP (carbon fibre reinforced) | TPC-ET + TFM (PTFE) | PTFE | PTFE | 5220-100 |
| AODD 1/2" KNT | PVDF (carbon fibre reinforced) | TPV (EPDM-PP) + TFM (PTFE) | PTFE | PTFE | 5221-010 |
| AODD 1/2" KNV | PVDF (carbon fibre reinforced) | FPM | FPM | FPM | 5221-050 |
| AODD 1/2" KNTC Ex*  | PVDF (carbon fibre reinforced) | TPV (EPDM-PP) + TFM (PTFE) | PTFE | PTFE | 5221-110 |

*II 2 G Ex h IIB T4 Gb / II 2 D Ex h III B T135°C Db

Operating data / dimensions / weights

| | AODD 1/2" PP | AODD 1/2" PVDF |
|-------------------------------|--|---|
| Housing material: | Polypropylene (glass fibre reinforced/ carbon fibre reinforced) | Polyvinylidene fluoride (carbon fibre reinforced) |
| Centre block material: | Polypropylene (carbon fibre reinforced) | Polypropylene (carbon fibre reinforced) |
| Diaphragm material: | NBR, TPC-ET + TFM (PTFE), TPV (EPDM-PP), FPM | TPV (EPDM-PP) + TFM (PTFE), FPM |
| Valve ball material: | NBR, PTFE, EPDM, FPM | PTFE, FPM, PTFE |
| Seals: | NBR, PTFE, EPDM, FPM | PTFE, FPM, PTFE |
| Valve seat: | PP | PVDF |
| Max. flow rate: | 76 l/min. | 76 l/min. |
| Max. delivery head: | 80 m wc (Type PPE + PPB: max. 50 m wc) | 80 m wc |
| Max. air pressure: | 8 bar | 8 bar |
| Min. air pressure (start-up): | 2 bar | 2 bar |
| Max. suction head (dry): | 4 m wc | 4 m wc |
| Displacement per chamber: | 75 cm ³ | 75 cm ³ |
| Displacement per cycle: | 150 cm ³ | 150 cm ³ |
| Max. viscosity: | 7,500 mPas | 7,500 mPas |
| Sound pressure level (Lp): | 75 dB(A) | 75 dB(A) |
| Max. temperature: | 60 °C | 90 °C |
| Max. solid size: | ø 3.2 mm | ø 3.2 mm |
| Air inlet: | 1/4" BSP inside thread | 1/4" BSP inside thread |
| Suction: | 1/2" BSP inside thread | 1/2" BSP inside thread |
| Pressure joint: | 1/2" BSP inside thread | 1/2" BSP inside thread |
| Weight: | 3.5 kg | 4.0 kg |



Description of material:

| | |
|---------------|-------------------------------------|
| EPDM | = Ethylene propylene diene rubber |
| FPM | = Fluorine rubber |
| NBR | = Acrylonitrile butadiene rubber |
| PP | = Polypropylene |
| PTFE | = Polytetrafluoroethylene |
| TPC-ET | = Thermoplastic polyester elastomer |
| TFM (PTFE) | = Modified polytetrafluoroethylene |
| TPV (EPDM-PP) | = EPDM/PP compound |