

Motor-Driven Metering Pump alpha

The cost-effective solution for simple applications in the lower performance range.



Capacity range 1.0 – 30.6 l/h, 10 – 2 bar

Various pump types are available as a combination of 2 gears and 4 sizes of dosing head in materials PVDF and clear

acrylic/PVC, enabling you to match the pump perfectly to your metering process.

Your benefits

- Precise metering and good suction capacity by soft controlled suction and compression strokes
- Tough plastic housing – shock-proof and chemical-resistant
- Suitable for higher viscosity media, thanks to spring-loaded valves
- Low-noise operation

Field of application

All low capacity applications where constant metering is required.

Motor-Driven Metering Pump alpha

The cost-effective solution for simple applications in the lower performance range.

Technical Data

| Pump type | Delivery rate at max. back pressure | | Delivery rate at medium back pressure | | | Stroke rate | Stroke length | Connection size o Ø x i Ø | Suction lift | Shipping weight | |
|----------------------|-------------------------------------|------|---------------------------------------|-----|------|-------------|---------------|---------------------------|--------------|-----------------|-----|
| | bar | l/h | ml/stroke | bar | l/h | ml/stroke | Strokes/min | mm | mm | m WC | kg |
| 50 Hz version | | | | | | | | | | | |
| ALPc 1001 | 10 | 1.0 | 0.29 | 5 | 1.1 | 0.32 | 30 | 2 | 6 x 4 | 5.1 | 3.0 |
| ALPc 1002 | 10 | 1.8 | 0.52 | 5 | 2.1 | 0.60 | 58 | 2 | 6 x 4 | 5.1 | 3.0 |
| ALPc 1004 | 10 | 3.5 | 1.01 | 5 | 3.9 | 1.12 | 58 | 3 | 8 x 5 | 5.1 | 3.0 |
| ALPc 1008 | 10 | 7.7 | 1.00 | 5 | 8.6 | 1.12 | 128 | 3 | 8 x 5 | 5.1 | 3.0 |
| ALPc 0707 | 7 | 6.9 | 1.98 | 3 | 7.7 | 2.21 | 58 | 3 | 8 x 5 | 4.1 | 3.0 |
| ALPc 0417 | 4 | 17.0 | 2.51 | 2 | 18.3 | 2.76 | 128 | 3 | 8 x 5 | 4.1 | 3.0 |
| ALPc 0230 | 2 | 30.6 | 3.98 | 1 | 32.7 | 4.26 | 128 | 3 | 12 x 9 | 3.1 | 3.0 |
| 60 Hz version | | | | | | | | | | | |
| ALPc 1001 | 10 | 1.2 | 0.29 | 5 | 1.3 | 0.31 | 36 | 2 | 6 x 4 | 5.1 | 3.0 |
| ALPc 1002 | 10 | 2.2 | 0.53 | 5 | 2.6 | 0.63 | 69 | 2 | 6 x 4 | 5.1 | 3.0 |
| ALPc 1004 | 10 | 4.1 | 0.99 | 5 | 4.7 | 1.14 | 69 | 3 | 8 x 5 | 5.1 | 3.0 |
| ALPc 1008 | 10 | 8.9 | 0.96 | 5 | 10.4 | 1.13 | 154 | 3 | 8 x 5 | 5.1 | 3.0 |
| ALPc 0707 | 7 | 8.3 | 2.00 | 3 | 9.2 | 2.22 | 69 | 3 | 8 x 5 | 4.1 | 3.0 |
| ALPc 0417 | 4 | 20.6 | 2.45 | 2 | 21.9 | 2.75 | 154 | 3 | 8 x 5 | 4.1 | 3.0 |
| ALPc 0230 | 2 | 34.4 | 3.72 | 1 | 39.2 | 4.24 | 154 | 3 | 12 x 9 | 3.1 | 3.0 |

All data refers to water at 20 °C.

Materials in Contact With the Medium

| | Liquid end | Suction/discharge connector | Ball seal | Seals | Balls |
|-----|---------------|-----------------------------|-----------|-------|---------|
| PPE | Polypropylene | Polypropylene | EPDM | EPDM | Ceramic |
| PPB | Polypropylene | Polypropylene | FKM | FKM | Ceramic |
| NPE | Acrylic glass | PVC | EPDM | EPDM | Ceramic |
| NPB | Acrylic glass | PVC | FKM | FKM | Ceramic |
| PVT | PVDF | PVDF | PVDF | PTFE | Ceramic |

Metering diaphragm with PTFE coating for all types.

FKM = Fluorine Rubber

Motor Data

| | |
|-----------------------|--|
| Type | Split pole motor with integrated thermal overload protection |
| Electrical connection | 220-240 V, 50/60 Hz (version A) |
| Power | 50 W (at 230 V/50 Hz) |
| Power consumption | 0.4 A (at 230 V/50 Hz) |

Warranty: The warranties listed under "General Terms and Conditions of Sale" apply, although there is a warranty period of 12 months for the alpha pump drive

■ SYDNEY OFFICE

Unit 4, 4 Narabang Way,
BELROSE NSW 2085
P 02 9450 0995 F 02 9450 0996
sales@prominentfluid.com.au

■ QUEENSLAND OFFICE

Unit 1, 68 Murdoch Circuit,
ACACIA RIDGE QLD 4110
P 07 3213 1900 F 07 3272 0445
pfcqld@prominentfluid.com.au

■ VICTORIA OFFICE

Unit 1/21-22 National Drive
HALLAM VIC 3803
P 03 8795 7430 F 03 8975 7431
pfcvic@prominentfluid.com.au

■ WESTERN AUSTRALIA OFFICE

Office 11, 34 Welshpool Road
Welshpool WA 6106
E: pfcwa@prominentfluid.com.au