

1.0 ProMinent® alpha Metering Pumps

1.0.2 Technical Data for alpha

50 Hz version

| | Max. Pump Capacity at Maximum Back Pressure | | | Max. Pump Capacity at Medium Back Pressure | | | Number of strokes | Stroke length | Connector Sizes Outer R̂ x Inner R̂ | Suction | Intake Head | shipping weight |
|------|---------------------------------------------|------|-----------|--------------------------------------------|------|-----------|-------------------|---------------|-------------------------------------|---------|-------------|-----------------|
| | bar | l/h | ml/stroke | bar | l/h | ml/stroke | | | | | | |
| 1001 | 10.0 | 1.0 | 0.29 | 5 | 1.1 | 0.32 | 58 | 2 | 6 x 4 | 5.1 | 2.5 | 3 |
| 1002 | 10.0 | 1.8 | 0.52 | 5 | 2.1 | 0.60 | 58 | 2 | 6 x 4 | 5.1 | 2.5 | 3 |
| 1004 | 10.0 | 3.5 | 1.01 | 5 | 3.9 | 1.12 | 58 | 3 | 8 x 5 | 5.1 | 2.5 | 3 |
| 1008 | 10.0 | 7.7 | 1.00 | 4 | 8.6 | 1.12 | 128 | 3 | 8 x 5 | 5.1 | 3.0 | 3 |
| 0707 | 7 | 6.9 | 1.98 | 4 | 7.7 | 2.21 | 58 | 3 | 8 x 5 | 4.1 | 3.0 | 3 |
| 0417 | 4 | 17.0 | 2.51 | 3 | 18.3 | 2.76 | 128 | 3 | 8 x 5 | 4.1 | 3.0 | 3 |
| 0230 | 2 | 30.6 | 3.98 | 2 | 32.7 | 4.26 | 128 | 3 | 12 x 9 | 4.1 | 3.0 | 3 |

Materials In Contact with Chemicals

| | Liquid End | Suction/Discharge Connector | Seals | Valve Balls |
|-----|------------|-----------------------------|--------------|-------------|
| NPE | Plexiglass | PVC | EPDM | ceramic |
| NPB | Plexiglass | PVC | FPM (Viton®) | ceramic |
| PVT | PVDF | PVDF | PTFE | ceramic |

DEVELOPAN® dosing diaphragms with PTFE coating for all versions.

Viton® is a registered trademark of DuPont Dow Elastomers. (FPM = fluororubber)

Included in delivery: Metering Pump with 2 m mains cable and plug, connector set for hose/tube connection as indicated in tables.

Motor Data

- **Type:** Split pole motor with integrated thermal overload protection
- **Power supply:** 220-240 V, 50Hz
- **Power input:** 50 W (at 230 V/50 Hz)
- **Power consumption:** 0.4 A (at 230 V/50 Hz)



1.0 ProMinent® alpha Metering Pumps

1.0.3 Identity Code & Pricing for alpha

ALPc alpha version C

Pump Type

Capacity at 50 Hz

| | | |
|------|------------------|-----|
| 1001 | 1.2 l/h - 10 bar | NPE |
| 1001 | 1.2 l/h - 10 bar | NPB |
| 1001 | 1.2 l/h - 10 bar | PVT |
| 1002 | 1.8 l/h - 10 bar | NPE |
| 1002 | 1.8 l/h - 10 bar | NPB |
| 1002 | 1.8 l/h - 10 bar | PVT |
| 1004 | 3.5 l/h - 10 bar | NPE |
| 1004 | 3.5 l/h - 10 bar | NPB |
| 1004 | 3.5 l/h - 10 bar | PVT |
| 1008 | 7.7 l/h - 10 bar | NPE |
| 1008 | 7.7 l/h - 10 bar | NPB |
| 1008 | 7.7 l/h - 10 bar | PVT |
| 0707 | 6.9 l/h - 7 bar | NPE |
| 0707 | 6.9 l/h - 7 bar | NPB |
| 0707 | 6.9 l/h - 7 bar | PVT |
| 0417 | 17.0 l/h - 4 bar | NPE |
| 0417 | 17.0 l/h - 4 bar | NPB |
| 0417 | 17.0 l/h - 4 bar | PVT |
| 0230 | 30.6 l/h - 2 bar | NPE |
| 0230 | 30.6 l/h - 2 bar | NPB |
| 0230 | 30.6 l/h - 2 bar | PVT |

Liquid end Material

| | |
|-----|------------------|
| NPE | Acrylic/PVC/EPDM |
| NPB | Acrylic/PVC/FPM |
| PVT | PVDF/PVDF/PTFE |

Valve springs

| | |
|---|----------------------------------------------------------------------------|
| 2 | No valve springs with bleeding |
| 3 | With 2 valve springs approx. 0.1 bar, stainless steel 1.4571 with bleeding |

Hydraulic Connectors

| | |
|---|----------|
| 0 | Standard |
|---|----------|

Version

| | |
|---|----------------------|
| 0 | With ProMinent® logo |
|---|----------------------|

Electrical connectors

| | |
|---|---------------------------------------------|
| A | 230 V, 50/60 Hz, 2 m, Euro. plug |
| B | 230 V, 50/60 Hz, 2 m, Swiss plug |
| C | 230 V, 50/60 Hz, 2 m, Australian plug (STD) |
| D | 115 V, 50/60 Hz, 2 m, USA plug |

Ancillary equipment

| | |
|---|-----------------------------------------------------------|
| 0 | No ancillary equipment |
| 1 | With foot and dosing valve, 2 m PVC and 5 m PE hose (STD) |

ALPC 0707 PVT 2 0 0 C 1

