

# Solenoid metering pump CONCEPT<sup>PLUS</sup> 180 strokes/min

**ProMinent®**



The necessary retrofitting can be carried out at the customer's premises with a specially designed external control retrofit kit. This reduces storage costs without limiting flexibility.

The product range CONCEPT<sup>PLUS</sup> covers the performance range from 0.74 l/h-10 bar to 14.9 l/h-1.5 bar. With its compact structure it is equally suitable for both conventional installation on a bracket or chemical tank and installation in machines such as slide grinding systems, car wash systems and dish-washers.

The metered quantity can be steplessly adjusted by means of the stroke length over a range of 10 % - 100 % and in four levels by means of the stroke rate. This results in an adjustment range of 1:40. As well as manual stroke rate adjustment the pump can be controlled by potential-free contacts from a water meter or controller. The pump can also be activated and deactivated with a potential-free contact.

A 'level' retrofit kit is available for connecting a level switch. The dosing heads are available in the material combinations PPE 2, PVT 2 and NPB 2 with bleed valve to cover virtually all metering tasks in water treatment.

CONCEPT<sup>PLUS</sup> offers uncompromising quality and reliability at an extremely affordable price.

## Solenoid metering pump CONCEPT<sup>PLUS</sup> 180 strokes/min

| Type      | Type Pump capacity at max. back pressure |      |           | Pump capacity at medium back pressure |      |           | Stroke rate<br>Strokes/min. | Connection size<br>outØ x inØ<br>mm | Suction lift*<br>mWs | Shipping weight<br>approx. kg |
|-----------|--|------|-----------|---------------------------------------|------|-----------|-----------------------------|-------------------------------------|----------------------|-------------------------------|
|           | bar                                      | l/h  | ml/stroke | bar                                   | l/h  | ml/stroke |                             |                                     |                      |                               |
| CNPb 1000 | 10                                       | 0.74 | 0.07      | 5                                     | 0.97 | 0.09      | 180                         | 6x4                                 | 6                    | 1.8                           |
| CNPb 1601 | 16                                       | 1.1  | 0.10      | 8                                     | 1.4  | 0.13      | 180                         | 6x4                                 | 6                    | 1.8                           |
| CNPb 1002 | 10                                       | 2.1  | 0.19      | 5                                     | 2.6  | 0.24      | 180                         | 6x4                                 | 5                    | 1.8                           |
| CNPb 0704 | 7  | 3.9  | 0.36      | 3,5                                   | 4.4  | 0.41      | 180                         | 6x4                                 | 4                    | 1.8                           |
| CNPb 0309 | 3  | 9.0  | 0.83      | 1,5                                   | 13.0 | 1.20      | 180                         | 8x5                                 | 2                    | 1.8                           |
| CNPb 0215 | 1.5                                      | 16.4 | 1.45      | 1                                     | 18.3 | 1.70      | 180                         | 8x5                                 | 1.5                  | 1.8                           |

\* Suction lift with a filled dosing head and suction line  
Electrical connection: 100 V -230 V, 50/60 Hz  
The system includes: 2 m mains cable with standard European plug, foot valve, injection valve, 2 m suction line and 5 m discharge line

Optional: External control retrofit kit 2 m control cable and level retrofit kit for connecting a one-stage level switch

Order no. 1046731



### Wetted materials in different versions

| Liquid end | Dosing head   | Suction/pressure connector | Valve ball | Seals |
|------------|---------------|----------------------------|------------|-------|
| PPE        | Polypropylene | Polypropylene              | Ceramic    | EPDM  |
| NPB        | Acrylic       | PVC                        | Ceramic    | FPM B |
| PVT        | PVDF          | PVDF                       | Ceramic    | PTFE  |

\* DEVELOPAN® diaphragms with PTFE support in all versions

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