

- Conveying pulverized dry polymer
- Power supply: 650 W, 230 V, 50 Hz, 3.5 A
- Dimensions:
- H x W x D (545 x 476 x 330) mm
- Weight KFG 205.1: 13.5 kg (without options)
- Weight suction nozzle: 2.2 kg
- Conveying capacity: 75-90 kg/h
- Alarm relay with potential free contact
- Conveying air filter: Polyester needled felt Filtering surface: 0.2 m<sup>2</sup>
- Conveying hose 4 m with suction nozzle (steel galvanized)

# Operation

The suction nozzle is inserted into the suction hopper and draws in the material which is to be conveyed. The conveying valve moves into the "conveying" position at the beginning of the conveying cycle. The blower generates a low pressure in the material hopper, causing the material to be drawn in. At the same time the conveying air filter separates the material from the conveying air. When the preset conveying time (10 seconds) has elapsed the conveying valve switches into the filter cleaning position. The filter is cleaned by the blower return air (14 seconds), the low pressure in the material drops. The material in the hopper presses against the outlet flap; when there is sufficiently large volume of material, the valve opens and the material flows out. When the material hopper is empty, the outlet flap automatically closes and a new conveying cycle begins. The process is repeated until the hopper under the KFG has been filled and the outlet flap can no longer close. The conveying process is then interrupted. A new conveying cycle starts when the material has dropped sufficiently to allow the outlet flap to close.

Preset values:

conveying time:10 secondscleaning time:14 secondssuction nozzle:-10

The preset values have to be adjusted during start up. Set the conveying time so that the material hopper is filled up to 50 mm below the inlet spigot. Select a long cleaning time, otherwise the filter cartridge will be blocked and the conveying capacity will be reduced.

Adjust the suction nozzle, so that the material conveying is regular. Otherwise a blocking of the conveying line can occur. The relation between the conveying material and the conveying air can be adjusted on the suction nozzle (conveying less material: move the outer pipe in the "–" direction, conveying more material: move the outer pipe in the "+" direction).

# Start up

### Setting the DIP switches

DIP switches group 1:

DIP switches group 2:

on on 3 on on on on on

|    | _  |   |   |
|----|----|---|---|
| on | on | 3 | 4 |

Isolate the unit from power supply (pull out the mains plug) before you change the DIP switch settings.

### Setting the conveying values (preset values)

| Press <mode> button:</mode>   | LED conveying flashes<br>Press the <+> button until <b>10</b> displayed<br>(conveying time: 0 - 99 s) =>Enter button                |
|-------------------------------|---|
| Press <mode> button:</mode>   | LED cleaning flashes<br>Press the <+> button until <b>14</b> is displayed<br>(cleaning time : 0, 2, 4, 8, 14, 20 s) => Enter button |
| Press <enter> button:</enter> | Store the adjusted value  |



## **Display reading**

| P   | Ready display. Unit is connected to the power supply.                          |
|-----|--|
| SE- | Conveying stopped by the stop button.  |
| S   | Hopper full, outlet flap opens. Conveying restarts as soon as the flap closes. |
| A1  | Time segment within the conveying cycle; see Chapter 5.1 in Operating Manual.  |
| E01 | Malfunctions; see Operating Manual   |

#### **Electrical Installation**

The device receives its voltage supply via the power plug. The delivery hose features an integrated copper wire which terminates at the earthing clips for the purpose of discharging static charges. A further earthing clamp is provided on the control of the small delivery unit. Both clamps must be earthed.

#### Delivery

The Hopper Loader is equipped with filter cartridge, suction nozzle (steel galvanized), 4 m conveying hose and 3 clamps.

## ProMinent® Order No. 1 000 664

Please read the operation manual "Hopper Loaders KFG 205 and 206 with  $\mu\text{P-Control}^{\ast}$  for further information.

Technical alterations reserved.