

### Technical description

The pneumatic pump unit of type no. 2565 supplies the lubrication points via dynamic metering valves.

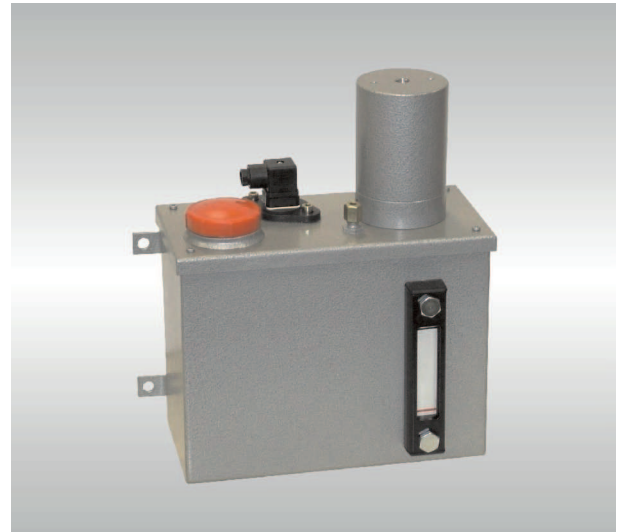
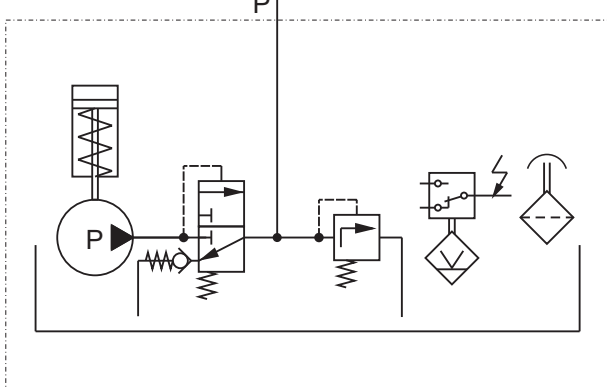
### Method of operation

Lubrication starts when the piston is pressurized. The compressed air has to be adjusted in a way that the pressure relief valve only opens when all metering valves have lubricated. This ensures that all metering valves supply enough lubricant to the lub points.

When the 3/2-way solenoid valve switches, the piston is pushed into its original position. The main line is relieved down to  $< 1$  bar by the relief valve and the metering valves restack the lubricant for the next lubrication pulse. At the same time, the lubricant is sucked out of the reservoir for the next stroke.

The metering valves' total dosage should not exceed 60% of the pump's delivery quantity.

### Hydraulic plan



### Technical Data

#### Pneumatic pump

|                        |                                                                                 |
|------------------------|---------------------------------------------------------------------------------|
| Output rate:           | 10 cm <sup>3</sup> /stroke or<br>15 cm <sup>3</sup> /stroke                     |
| Ratio:                 | with 10 cm <sup>3</sup> /stroke 1 : 11<br>with 15 cm <sup>3</sup> /stroke 1 : 8 |
| Flow pressure:         | 4 - 8 bar                                                                       |
| Drive volume:          | 133 cm <sup>3</sup> / stroke                                                    |
| Pressure relief valve: | adjusted to 50 bar                                                              |
| Lubricant:             | oil, 20 - 700 mm <sup>2</sup> /s<br>fluid grease (according to release list)    |
| Temperature range:     | medium 0 - 70°C<br>ambient 0 - 40°C                                             |
| Reservoir capacity:    | 6 l                                                                             |
| Reservoir material:    | steel sheet                                                                     |

#### Float switch (oil)

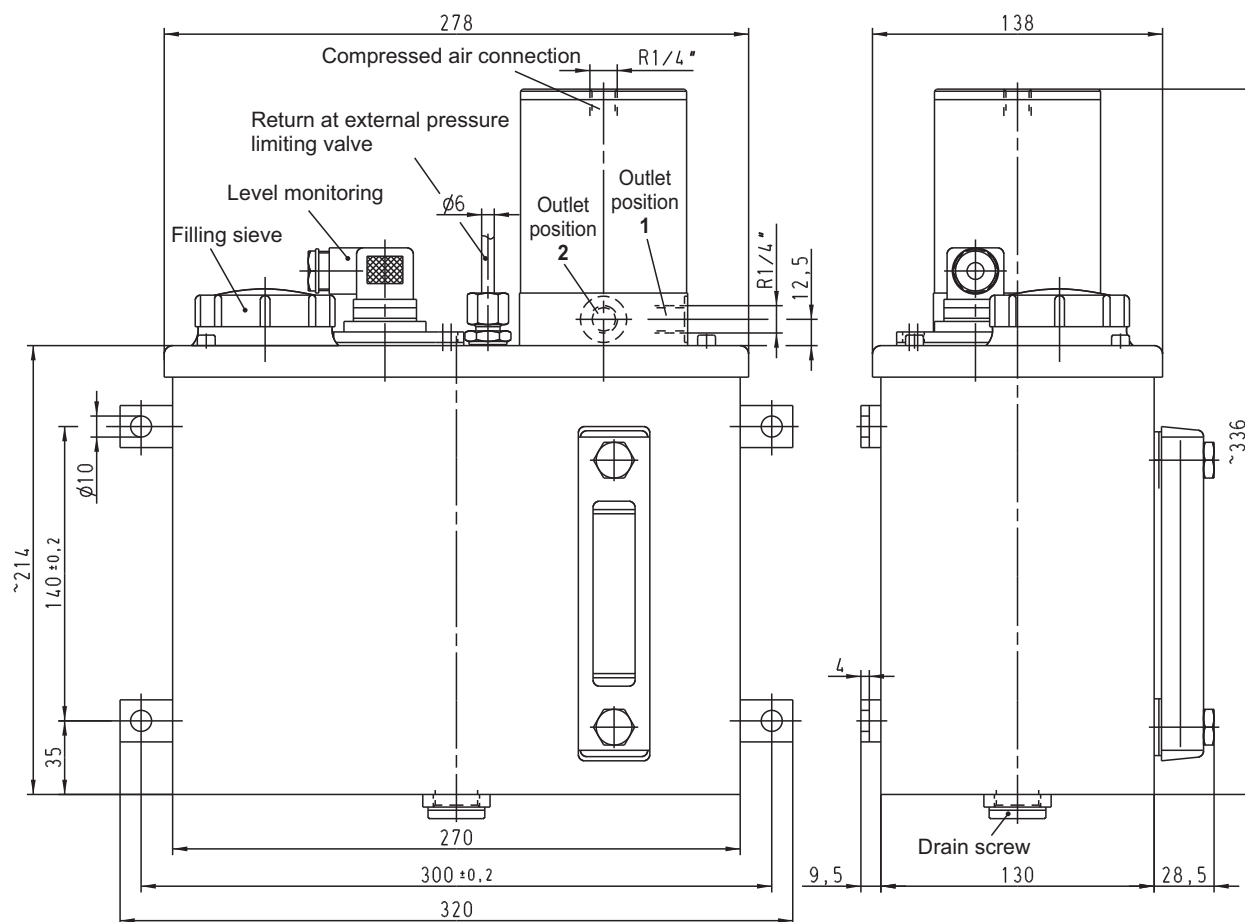
|                    |                    |
|--------------------|--------------------|
| Contact type:      | changeover contact |
| Switching voltage: | max. 220 V         |
| Switching current: | max. 1A            |
| Capacity:          | max. 60 VA         |

#### Proximity switch (fluid grease)

|                                     |                            |
|-------------------------------------|----------------------------|
| Operating voltage:                  | 10 - 60V DC                |
| Switching type:                     | positive switching NO / NC |
| Switching current:                  | 200 mA                     |
| Current consumption (without load): | < 20 mA                    |
| Protection class:                   | switch IP 67, plug IP 54   |

#### Operating mode:

Pneumatic actuation via 3/2-way solenoid valve.  
Repositioning of the pump by spring force



FAZ020233-00

### Order key type-no. 2565

2565.10.2.1.6.1.0.000

| Delivery rate         | 10 cm <sup>3</sup> /stroke | 15 cm <sup>3</sup> /stroke |                        |
|-----------------------|----------------------------|----------------------------|------------------------|
| Code-no.              | 10                         | 15                         |                        |
| Outlet position       | 1                          | 2                          |                        |
| Code-no.              | 1                          | 2                          |                        |
| Pressure relief valve | without                    | with                       |                        |
| Code-no.              | 0                          | 1                          |                        |
| Reservoir capacity    | 6 l                        |                            |                        |
| Code-no.              | 6                          |                            |                        |
| Level monitoring      | without                    | with, for oil              | with, for fluid grease |
| Code-no.              | 0                          | 1                          | 2                      |
| Return line connect.  | without                    | pipe Ø 6 mm                | pipe Ø 8 mm            |
| Code-no.              | 0                          | 1                          | 2                      |
| Special models        |                            |                            |                        |