

# Single Line Lubrication Systems

## Pneumatic pump units



2564 with 2,7 l reservoir

### Technical description

The pneumatic pump unit of type no. 2564 supplies the lubrication points via dynamic metering valves.

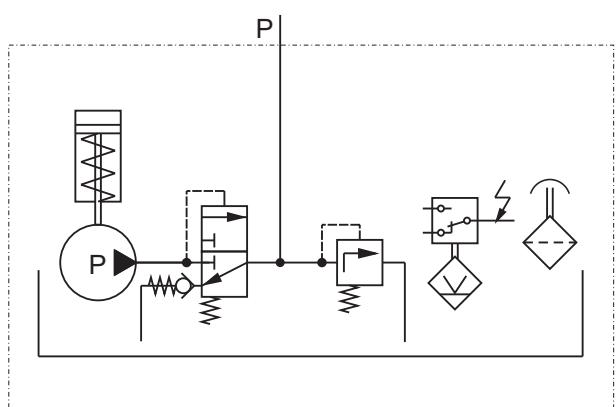
### Mode of operation

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



Pneumatic pump units

### Technical Data

#### Pneumatic pump

Output rate: 30 cm<sup>3</sup>/stroke or 50 cm<sup>3</sup>/stroke

Ratio: 1 : 9

Flow pressure: 5 - 10 bar

Volume: P30 = 300 cm<sup>3</sup>

P50 = 550 cm<sup>3</sup>

Lubricant: oil, 20 - 700 mm<sup>2</sup>/s  
fluid grease (according to release list)

Temperature range: medium 0 - 70°C  
ambient 0 - 40°C

Reservoir capacity: 2,7 l

Reservoir material: plastic, transparent

#### Float switch (oil)

Contact type: changeover contact

250 V AC/DC

max. 1 A

Capacity: max. 60 VA

#### Proximity switch (fluid grease)

Operating voltage: 10 - 60V DC

Switching type: positive switching NO / NC

Switching current: 200 mA

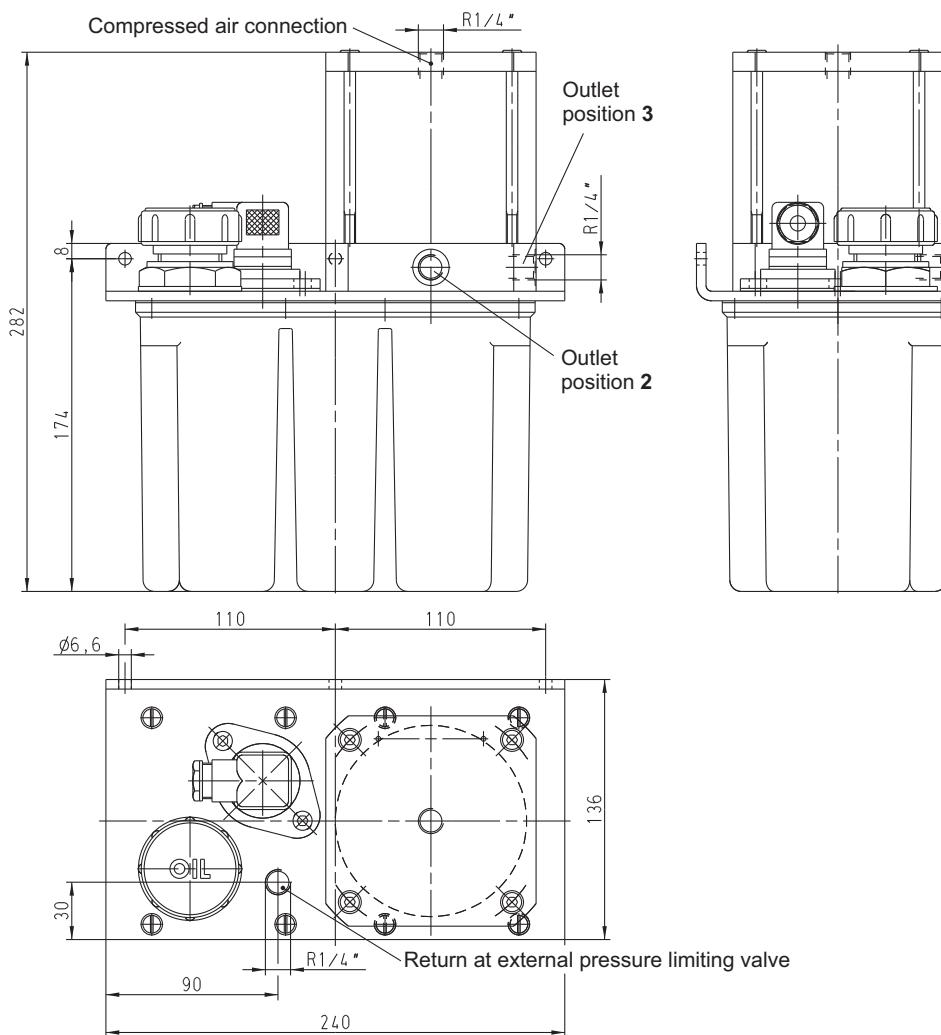
Current consumption (without load): < 20 mA

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.

2564 with 2,7 l-reservoir



FAZ02076-00

## Order key type-no. 2564

2564.30.2.1.4.1.1.000

<b>Delivery rate</b>	30 cm <sup>3</sup> /stroke	50 cm <sup>3</sup> /stroke				
Code-no.	30	50				
<b>Outlet position</b>	2	3				
Code-no.	2	3				
<b>Pressure relief valve</b>	without	with				
Code-no.	0	1				
<b>Reservoir capacity</b>	2,7 l					
Code-no.	4					
<b>Level monitoring</b>	without	with, for oil	with, for fluid grease			
Code-no.	0	1	2			
<b>Return line connect.</b>	without	with				
Code-no.	0	1				
<b>Special models</b>						

Subject to alterations!