

Technical description

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

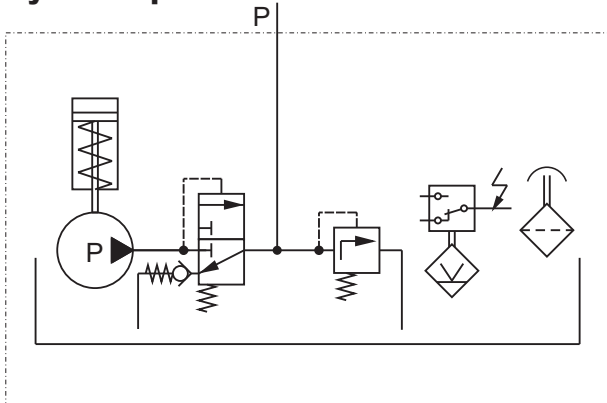
Mode of operation

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



Technical Data

Pneumatic pump

Output rate:	30 cm ³ /stroke or 50 cm ³ /stroke
Ratio:	1 : 9
Flow pressure:	5 - 10 bar
Volume:	approx. 300 cm ³
Pressure relief valve:	adjusted to 50 bar
Lubricant:	oil, 20 - 700 mm ² /s fluid grease (according to release list)
Temperature range:	medium 0 - 70°C ambient 0 - 40°C
Reservoir capacity:	6 l
Reservoir material:	steel sheet

Float switch (oil)

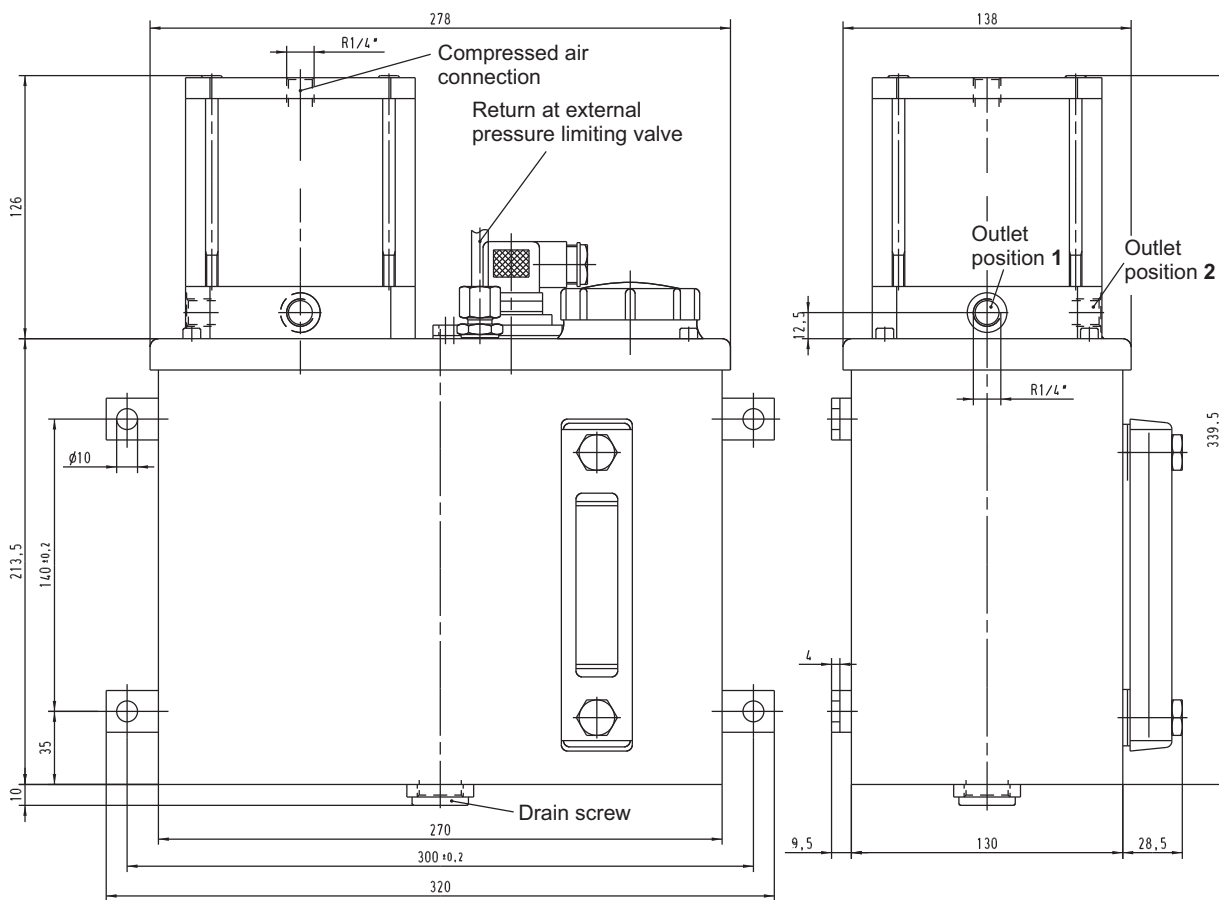
Contact type:	changeover contact
Voltage:	250 V AC/DC
Starting current:	max. 1 A
Capacity:	max. 60 VA

Proximity switch (fluid grease)

Operating voltage:	10 - 60 V 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.



FAZ02297-00

Order key type-no. 2564

2564.30.2.1.A.1.2.000

Delivery rate	30 cm ³ /stroke	50 cm ³ /stroke	
Code-no.	30	50	
Outlet position	1	2	
Code-no.	1	2	
Pressure relief valve	without	with	
Code-no.	0	1	
Reservoir capacity	6 l		
Code-no.	A		
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			