

Technical description

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

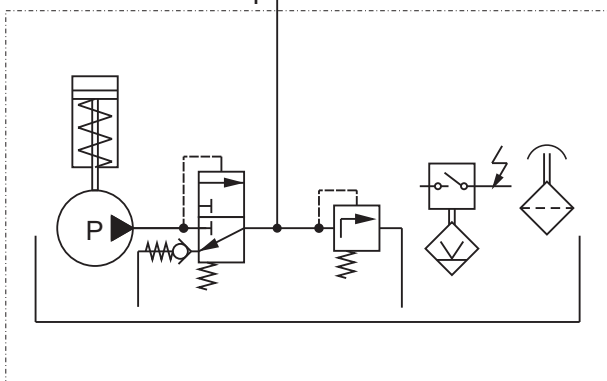
Mode of operation

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
Drive volume:	P30 = 300 cm ³ P50 = 550 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:	2 / 4,2 / 8 l
Reservoir material:	plastic, transparent

Float switch (oil)

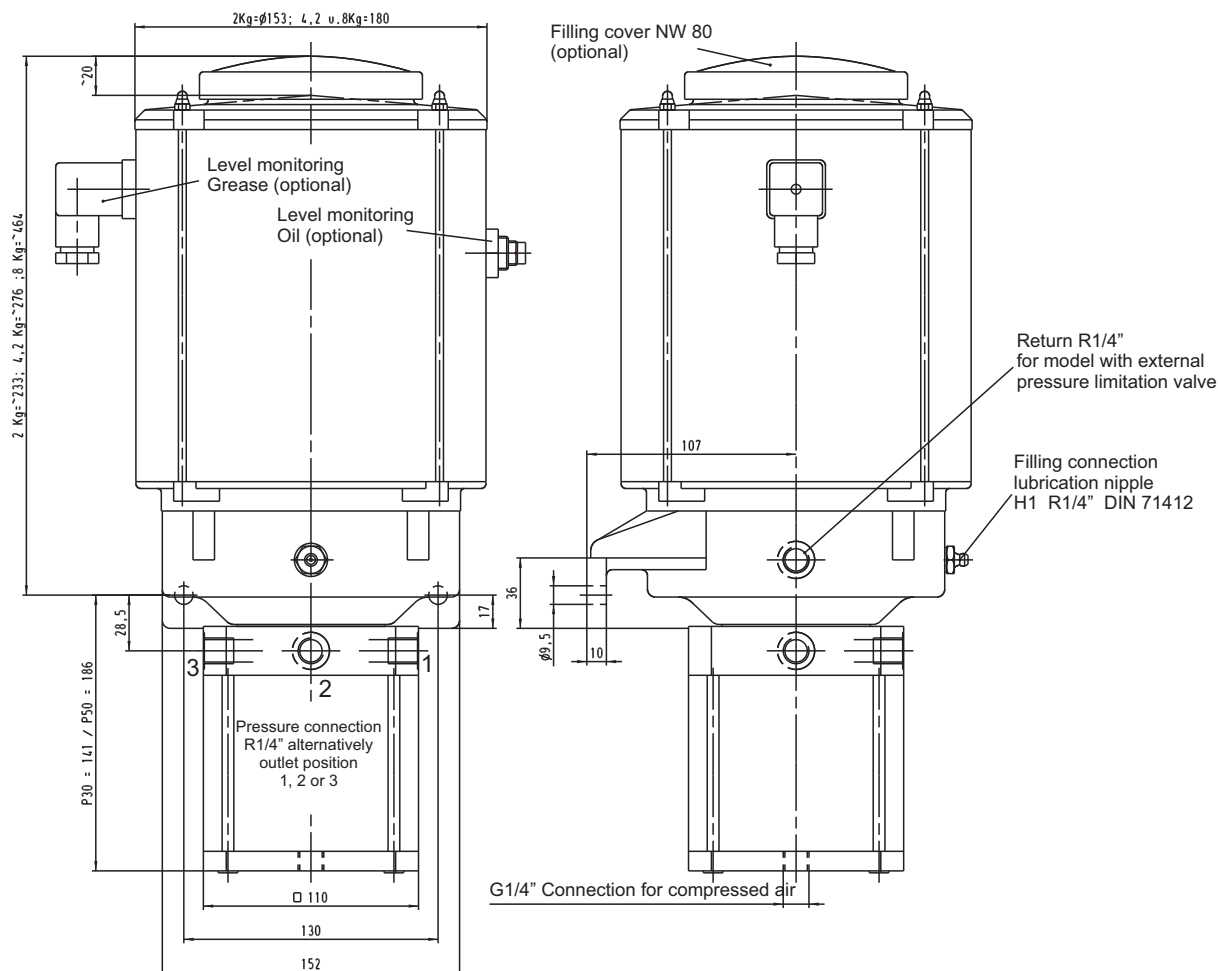
Connection:	Tuchel plug M12x1
Contact type:	NO contact
Switching voltage :	max. 60 V
Switching current:	max. 0,5 A
Capacity:	max. 10 VA

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



FAZ02010-01

Order key type-no. 2564

2564.30.1.1.7.2.1.000

Delivery rate	30 cm³/stroke	50 cm³/stroke	
Code-no.	30	50	
Outlet position	1	2	3
Code-no.	1	2	3
Pressure relief valve	without	with	
Code-no.	0	1	
Reservoir capacity	2 l	4,2 l	8 l
Code-no.	3	7	9
with filling cover			
without filling cover	2	6	8
Level monitoring	without	with, for oil	with, for fluid grease
Code-no.	0	1	2
Return line connect.	without	with	
Code-no.	0	1	
Special models			

Subject to alterations!

© BEKA 2014 All rights reserved!