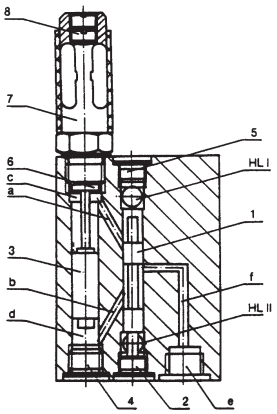
Product description

Distributor PAG

APPLICATION

The distributors type PAG are used as lubricant manifolds in dual-line central systems. Due to their sturdy contruction and long service life, they are predominantly applied upon servicing and extending already existing systems with "PAG distributors". The task of the distributors PAG consists in proportioning metered quantities of lubricant to the lubrication points.
The distributors are conceived in building-block design. One control and metering piston each is allocated to every lubricating point (4 maximum). The housing block also accommodates the connections for main lines and lubricating points and has fastening holes. Actuation is effected by alternate pressurization of main lines I and II. Complete metering of all metering points of valve is finished after pressurizing main lines I and II.

PAG with 4 outlets



PAG with 1 outlet

PRODUCT CHARACTERISTICS

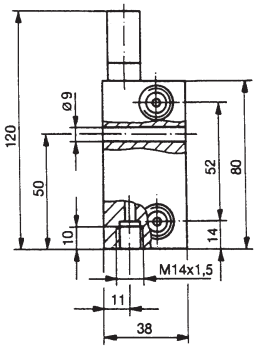
- Dual-line manifold block type PAG
- Grease and oil
- up to 4 outlets
- Metered volume continuously adjustable from 0.4 to 2.0 cm^3 per half cycle
- Material: continuous casting

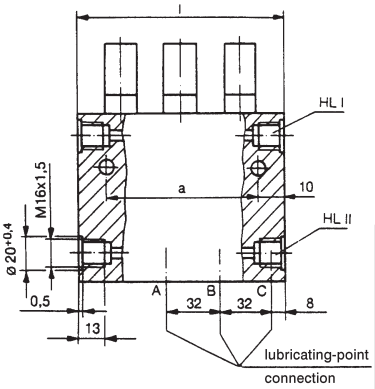
FUNCTION

Pressure pulse in main line I (HL)
If main line I (HL I) is being pressurized, the lubricant will move the control piston (1) towards closure end plug (2). The lubricant is then led through channel (a) into chamber (c) pressing the metering piston (3) towards closure end plug (4). Lubricant provided in chamber (d) is delivered through channels (b) and (f) to the connection of lubricating point (e).
Pressure pulse in main line II (HL)
If main line II (HL II) is being pressurized, the lubricant will move the control piston towards closure end plug (5). The lubricant is then led through channel (b) into chamber (d) pressing the metering piston against the stop (6). Lubricant provided in chamber (a) is delivered through channels (a) and (f) to the connection of lubricating point (e).
A piston rod is fastened for optical control of functionality to the metering piston signalling the piston motios of control unit (7) due to alternate moving-in and moving-out motions. The optical control unit included in standard outfit simultaneously serves for infinite variation of metered quantity via threaded pins (8). Thus, the stroke of metering piston is restricted. Upon dispatch of metering valves, the metered quantity is set to maximum.
Fastening of metering valves is ensured via welded plates.

A. DISTRIBUTOR TYPE	Code
	PAG

B. NUMBER OF OUTLETS	Code
1 outlet	01
2 outlets	02
3 outlets	03
4 outlets	04





	Outlets			
	1	2	3	4
Lenght l	48	80	112	144
Dimension a	28	60	92	124

C. REVISION	Code
Status A	A

D. METERED VOLUME	Code
2.0 cm^3	20

E. MONITORING DEVICE	Code
without monitoring device	00
Monitoring device for 1 outlet	01
Monitoring device for 2 outlets	02
Monitoring device for 3 outlets	03
Monitoring device for 4 outlets	04

SPECIFICATION

Rated pressure : 400 bar
Working pressure max. : 500 bar
Pickup pressure : 40 bar
Metered volume : continuously adjustable from 0.4 to 2.0 cm^3 per half cycle
Installation position : optional
Number of outlets : 1 to 4
Temperature range : – 20 °C to + 80 °C
Suitable lubricants on mineral oil basis:
- Grease lubricants NLGI class 3 DIN 51818
- Oil ISO VG 68 to 1500 (DIN 51519) as service viscosity 190 mm^2s
- Synthetic lubricants : on request

Weights:
- PAG 41 1.0 kg
- PAG 42 1.7 kg
- PAG 43 2.4 kg
- PAG 44 3.1 kg

EXAMPLE OF ORDER

Code								
P	A	G	0	4	A	2	0	0	1

Distributor type PAG	Code: PAG
Number of outlets 4 outlets	Code: 04
Revision Status A	Code: A
Metered volume 2.0 cm^3	Code: 20
Monitoring device Monitoring device for 4 outlets	Code: 01

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