

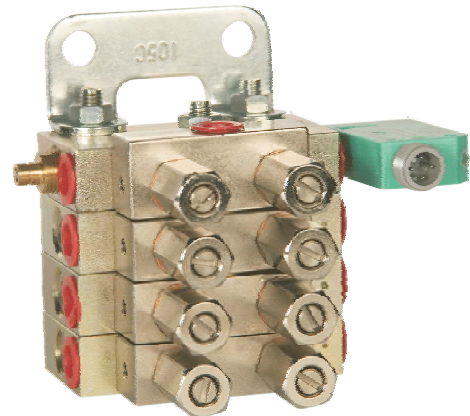
Product description
Progressive-
Air - Oil - Mix A

PRODUCT CHARACTERISTICS

- up to 24 outlets
- electronical monitoring, potential
- Metered volume 0.1 cm³ / 0.2 cm³ / 0.3 cm³
- Lubricant: oil - air - mix
- Air flow volume infinitely variable at controllable

APPLICATION

The air lubrication unit A is used for dosing and distributing the lubricant during the oil – air lubrication. Its main area of application is rolling contact bearing lubrication, for example in rolling mills, extrusion plants, wire mills and central lubrication systems.



DESIGN AND FUNCTION

Air lubrication units A consisting of 3 to 12 individual segments screwed together and sealed against each other. A corresponding screwed on air block facilitates the addition of an adjustable quantity of air to each distributor output. By way of standard the lubrication units are adjusted for use with the maximum possible air flow quantity.

The air lubrication units A have the task of distributing the quantity of oil added under pressure into part quantities in sequence to up to 24 possible outlets, and to add a defined quantity of air per outlet.

The air lubrication unit keeps working here for as long as lubricant is added. It is equipped with integrated check valves. These integrated check valves between delivery pistons and distributor outlets have the advantage that the compressed air is exclusively added to the outlets and does not interrupt the distributor circuit.

Visual monitoring of the lubrication unit function is guaranteed by two motion indicators in the end segment. The motion indicator can additionally be equipped with a monitoring switch for electrical monitoring and control of function.

The quantities of lubricant per outlet can be varied by the selection of various individual segments of the integrated progressive distributor. The air flow quantities per outlet are adjusted according to wear points of the rolling contact bearing by means of the adjusting screws in the air block. The resultant oil-air mixture is transported via piping and added to the respective lubricating points.

A. DISTRIBUTOR TYPE

Code

PLA



B. NUMBER OF SEGMENTS	Code
3 segments	03
4 segments	04
5 segments	05
6 segments	06
7 segments	07
8 segments	08
9 segments	09
10 segments	10
11 segments	11
12 segments	12

NB:

The distributor may be equipped with a maximum of only 4 segments or 8 outlets when using the air lubrication unit A in SKYJET systems with downstream lances or compact distributors.

A greater number of outlets would result in an under supply of compressed air to the lubricated areas in SKYJET systems and therefore to an excessively low system pressure.

C. REVISION	Code
Status A	A

D. MONITORING	Code
with non-return valve, with motion indicator	01
with non-return valve, with monitoring switch	02

E. CODING OF THE OUTLETS	Code
A segment	*
M segment	*
E or M segment	*
* is determined by segment selection of the price list	

NB:

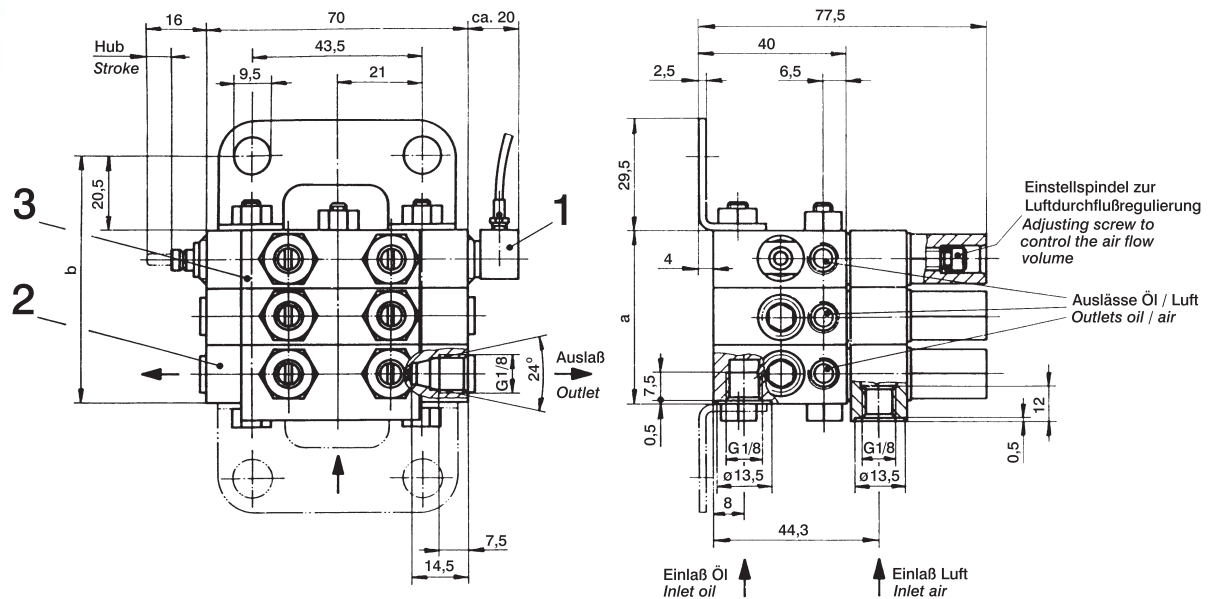
Where there is an uneven number of outlets, connections with an external bridge (a "b" connection) should be avoided as assembly of the air block will not otherwise be possible. For implementation purposes "c" connections or external pipe connections should be used where there is an uneven number of outlets.

F. ACCESSORIES	Code
without	00
Slot angle	01
Fitting kit 1 (1 - 4 outlets)	04
Fitting kit 2 (5 - 8 outlets)	05
Fitting kit 3 (9 - 12 outlets)	06
Fitting kit 4 (13 - 16 outlets)	07
Fitting kit 5 (17 - 20 outlets)	08
Fitting kit 6 (21 - 24 outlets)	09



SPECIFICATION

Service pressure oil/grease max.: _____ 160 bar
 Service pressure air max.: _____ 6 bar
 Response pressure distributor: _____ approx. 10 bar
 Temperature range: _____ 0 °C up to + 80 °C
 Media : _____ mineral oils ISO VG 68 up to 1500 (DIN 51519) at 20° C ambient temperature
 compressed air, dried and cleaned
 Number of outlets: _____ 1 up to 24
 Metered volume oil Öl: _____ 0.1; 0.2 or 0.3 cm³
 Metered volume air: _____ see diagram
 Sealings: _____ PU, NBR
 Connecting thread inlet: _____ G 1/8
 Connecting thread outlet: _____ G 1/8



1. Monitoring switch
2. Distributor type ZP-A with non-return valve and motion indicator
3. Air dosing block

Number of outlets max.	Number of segments	Dimensions (mm)	
		a	b
6	3 *	48	-
8	4 *	64	-
10	5	80	-
12	6	90	137
14	7	112	153
16	8	128	169
18	9	144	185
20	10	160	201
22	11	176	217
24	12	192	233

* see information in Points B and E

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*Für reibungslose Bewegung
For smooth motion*

