

Product description **Distributor ZP-B**

APPLICATION

The major element of a progressive system is the lubricant distributor.

Distributors ZP-B are used to divide and meter lubricant in total loss central lubrication systems (oil, liquid grease and grease) and in oil recirculation systems suitable for small, medium and large machine plants.



PRODUCT CHARACTERISTICS

- Progressive distributors
- up to 24 outlets
- Electronic monitoring possible
- Metered volume variable from 0.5 cm³
- Grease, liquid grease and oil

FUNCTION

ZP-B distributors consist of several individual segments (at least 3 in the standard version) that are screwed together and sealed against each other.

Depending on the arrangement within the distributor, the following segment types are available:

- Initial- or A-segment
- Medium or M-segment
- Final- or E-segment

The distributor ZP-B has the task to divide the lubricant volume (oil or grease) received under pressure into portions and to deliver them successively to the up to 24 possible outlets. This is achieved due to pistons which are moved by the lubricant being under pressure, and forcibly controlled by each other. The pistons move into their final positions, and the lubricant waiting in front of the piston is successively supplied to the lubrication points.

The distributor works as long as it is supplied with lubricant.

On request, the distributor is equipped with integrated nonreturn valves. These nonreturn valves, which are integrated in the distributor outlets, have the advantage that the distributor works reliably even in case of small lubricant volumes and higher counterpressures involved as far as the line material is flexible.

In case that a visual operational monitoring of the distributor is necessary or desired, the distributor has to be ordered with motion indicators. For the extended version with motion indicators, it is possible to provide additionally an electrical operational monitoring by means of an electronical monitoring switch.





A. DISTRIBUTOR TYPE	Code
	ZPB

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
C. REVISION	Code
Status A	A

D. MONITORING	Code
without	00
with nonreturn valve, with motion indicator	01
with nonreturn valve, with monitoring switch	02

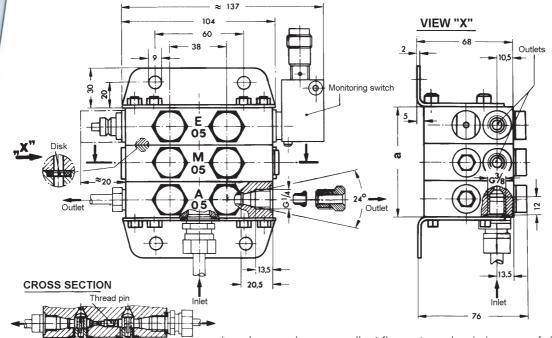
E	E. CODING OF THE OUTLETS	Code
A se	gment	*
	gment	*
	M segment	*
* is d	etermined by segment selection of the price list	

F.	ACCESSORIES	Code
without		00





SPECIFICATION	
Working pressure max. :	300 bar
Temperature range :	- 20 °C to + 80 °C (higher temperature on request)
Admissible differential pressure between 2 outlets :	max. 50 bar
	with nonreturn valves max. up to admissible system pressure
Metered volume per piston stroke :	at <mark>choice 0.5; 1.2 or 2.0 cm³</mark>
Flow volume for oil and grease :	min. 0.5 cm ³ /min; max. 1500, 3000, 5000 cm ³ /min
Opening pressure of nonreturn valves :	2 bar
Response pressure :	< 10 bar
Usable lubricants on mineral oil basis:	
Lubricating greases up to	NLGI class 3 DIN 51818
Oil	ISO VG 68 to 1500 (DIN 51519) at 20 °C ambient temperature
Synthetic lubricants :	on request
Pipe connections:	
Inlet	Ø 10
Outlet	Ø 6; Ø 8 or Ø 10



choose always smalle	st flow rate as	s basis in ca	se of distributors havin	ıg
different flow volumen	S.			

max. number of outlets	Number of segments	Dimension a (mm)	Weight approx. kg
6	3	75	3,07
8	4	100	4,85
10	5	125	6,07
12	6	150	7,28
14	7	175	8,48
16	8	200	9,70
18	9	225	10,92
20	10	250	12,13
22	11	275	13,34
24	12	300	14,56

ATTENTION

Special care has to be taken that the quantity of lubricant metered ba a piston does not escape in the same segment but in the adjacent segment next to the inlet port. The metered volume of the piston in the initial segment is discharged at the final segment.





EXAMPLE OF ORDER Code Α 0 1 Z P B 0 3 I 0 0 Distributor type ZP-B Code: ZPB **Number of segments** Code: 03 3 segments Revision Code: A Status A Monitoring Code: 01 with nonreturn valve, with motion indicator Coding of the outlets Code: I A segment 05aa Coding of the outlets Code: I M segment 05aa Coding of the outlets Code: I E segment 05aa **Accessories**

Code: 00

DELIMON Headquarter

without

Arminstraße 15
D-40227 Düsseldorf
PO Box 10 20 52
D-40011 Düsseldorf
Phone: +49 211 7774 0
Fax: +49 211 7774 210
info@delimon.de

www.delimon.de

DELIMONOffice & Plant Beierfeld

Am Bockwald 4 D-08344 Grünhain-Beierfeld

DELIMON Office Austria

Am Spitz 2-3 / Schloßhofer Str. 4-6 Stiege 4, Top 20 A-1210 Vienna Phone: +43 1 585 66 17 Fax: +43 1 585 66 17 50

info@delimon.at www.delimon.at

LUBRIMONSA

Spain

Avda. Txori-Erri 38 48150 Sondica - (Vizcaya) Teléfono: +34 94 453 20 00 Fax: +34 94 453 25 00 sales@lubrimonsa.es

DELIMON-Denco Lubrication DELIMON-Cooling United Kingdom

Ramsden Court, Ramsden Road Rotherwas Industrial Estate Hereford, HR2 6LR Phone: +44 (0) 1432 365 000

Phone: +44 (0) 1432 365 000 Fax: +44 (0) 1432 365 001

info@delimon.co.uk www.delimon.co.uk

BIJUR Products, Inc. France

BP 50

ZI de Courtabœuf 5, Avenue de l'Atlantique 91942 Les Ulis Cedex Tél.: +33 1 692 985 85 Fax: +33 1 690 776 27

bijur@bijur.fr

Für reibungslose Bewegung For smooth motion

