

# Product description **Distributor ZP-C**

### **APPLICATION**

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

Distributors ZP-C 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
- usable in oil-recirculation systems
- up to 24 outlets
- Electronic monitoring possible
- Metered volume variable from 0.1 cm<sup>3</sup>
- Grease, liquid grease and oil

### **FUNCTION**

ZP-C 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 VE-segment

The distributor ZP-C 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 TYPECode

ZPC

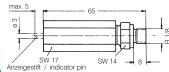
B. NUMBER OF SEGMENTS	Code
3 segments	03
4 segments	04
5 segments	05
6 segments	06
7 segments	07
8 segments	08
9 segments	09
10 segments	10
11 segments	11
12 segments	12

	C. REVISION	Code
Statu	us A	Α

D. MONITORING	Code
with nonreturn valve, with motion indicator	01
with nonreturn valve, with monitoring switch	02

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

F. ACCESSORIES	Code
without	00
Slot angle	01
Overpressure indicator 70 bar	02
Overpressure indicator 100 bar	03
Screw joint kit 1 ( 1 - 4 outlets)	04
Screw joint kit 2 (5 - 8 outlets)	05
Screw joint kit 3 (9 - 12 outlets)	06
Screw joint kit 4 (13 - 16 outlets)	07
Screw joint kit 5 (17 - 20 outlets)	08
Screw joint kit 6 (21 - 24 outlets)	09
max. 5 65	



Overpressure indicator





SPECIFICATIO	N				
Working pressure max	.:				160 ba
Temperature range :				- 20 °C to + 80	°C (higher temperature on request
Admissible differential	pressure between 2 o	utlets: _			max. 50 ba
			with n	onreturn valves ma	x. up to admissible system pressure
Metered volume per pi	ston stroke :				at choice 0.1; 0.2 or 0.3 cm in. 0.5 cm³/min; max. 1000 cm³/min 2 ba
Flow volume for oil and	d grease:			m	in. 0.5 cm³/min; max. 1000 cm³/mir
Opening pressure of n	onreturn valves :				2 ba
Response pressure : _ Usable lubricants on m					10 ba
Lubricating grease	e un to				NI GL class 3 DIN 51818
Oil	5 up to		ISO VO	3 68 to 1500 (DIN 5	NLGI class 3 DIN 51818 1519) at 20 °C ambient temperature on reques
Synthetic lubricants :			_ 100 vc	0010 1000 (01100	on reques
Pipe connections:					
Inlet					Ø 6 or Ø 8
Outlet					Ø 6
	1-	— ≈ 103			<u>View "X"</u> 54 →
					51
	70				40
	43	5,5			
	9,5	<b>→</b> 21 →			2,5 Control line
			\		
		-	⊢ }    <del>     </del>	Monitoring switch	
	2025-295	₹ 	,	' <del>-           -</del>	
	<u> </u>	<del>*************************************</del>	ᅼᆛ	' /	
2	VI		_ ‡	A	
"X"		2	H_		4
	-≈20 - N		4		e l
2	disks 0:	3.			
Outlet					utlet
		11	0 0	24°	
		吾ノ丁	111	~	Outlets
	10,4	┲ —	- /		
	<u> </u>		7.5		☐ ☐ Plug screw
	4	J	· ·		Vent bore
2. bracket for	6 segments and more	-	14,5		
	Inl	et			<b>I</b> Inlet
max. number of outlets	Number of segments	Dimensio	ons (mm)	Weight approx. kg	
6	3	48	-	1,03	
1	i .	1	1		1

max. number of outlets	Number of segments	Dimensions (mm)		Weight approx. kg
6	3	48	-	1,03
8	4	64	-	1,37
10	5	80	-	1,72
12	6	90	137	2,06
14	7	112	153	2,40
16	8	128	169	2,75
18	9	144	185	3,09
20	10	160	201	3,43
22	11	176	217	3,77
24	12	192	233	4,11

## 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 0 Z P C 0 3 Α 1 0 0 Distributor type ZP-C Code: ZPC **Number of segments** Code: 03 3 segments Revision Code: A Status A Monitoring Code: 01 with honreturn valve, with motion indicator Coding of the outlets Code: I A - segment 02aa Coding of the outlets Code: I M segment 02aa Coding of the outlets Code: I VE - segment 02aa Accessories Code: 00 without

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