

**Product description**  
**Distributor ZV-F**

### APPLICATION

The distributors ZV-F are used for dual-line central lubrication systems for grease and for oil. Their function is to meter the lubricant and to press it through the lines to the lubrication points independently of back pressure.

### PRODUCT CHARACTERISTICS

- Dual-line manifold block with flange plate
- Grease and oil
- up to 8 outlets
- Metered volume 1.5 or 3.0 cm<sup>3</sup>
- Material: machining steel



### DESIGN

The distributors ZV-F consisting of a flange plate and the attached distributor in block type designed. The flange plate has two threaded holes G 3/8 on each of its two faces for the optional connection of the two main lines. For the connection of the friction point lines, the attached distributor in block type designed have two to eight threaded holes G 1/4. The distributor do not have springs and work hydraulically, operated by the lubricant.

### FUNCTION

The distributor ZV-F has one metering piston and one control piston for every two lubrication points, connected. Depending on either main line no. I or main line no. II is pressurized, where the second main line must be relieved of pressure, only that lubrication point will be served which is associated with the main line concerned. As a result, an operating cycle always, includes two lubricating strokes.





<b>C. REVISION</b>	<b>Code</b>
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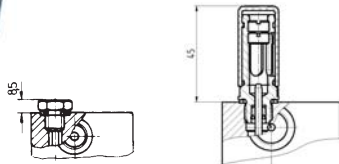
Status A	A
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<b>D. METERED VOLUME</b>	<b>Code</b>
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1.5 cm <sup>3</sup>	15
3.0 cm <sup>3</sup>	30

<b>E. METERING</b>	<b>Code</b>
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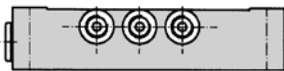
Metering screw 1/1 for 1 and 2 outlets	20
Metering screw 1/1 for 3 and 4 outlets	21
Metering screw 1/1 for 5 and 6 outlets	22
Metering screw 1/1 for 7 and 8 outlets	01
Adjusting device with motion indicator for 1 and 2 outlets	33
Adjusting device with motion indicator for 3 and 4 outlets	34
Adjusting device with motion indicator for 5 and 6 outlets	35
Adjusting device with motion indicator for 7 and 8 outlets	32



Metering screw      Adjusting device with motion indicator

<b>F. ACCESSORIES</b>	<b>Code</b>
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without flange plate	O
with flange plate	F



Flange plate for 5 and 6 outlets

<b>SPECIFICATION</b>
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Working pressure max. : \_\_\_\_\_ 400 bar

Actuating pressure min.: \_\_\_\_\_ 10 bar

Metered volume : \_\_\_\_\_ 1.5 or 3.0 cm<sup>3</sup>

Actuating volume : \_\_\_\_\_ 0.3 cm<sup>3</sup>

Number of outlets : \_\_\_\_\_ 1 up to 8

Temperature range : \_\_\_\_\_ - 20 °C up 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<sup>2</sup>s

Synthetic lubricants : \_\_\_\_\_ on request

**ATTENTION**

Pressurization of the distributors with more than 400 bar means danger to life and limb of persons.

## EXAMPLE OF ORDER

		Code										
		Z	V	F	0	3	A	1	5	2	1	F
Distributor type ZV-F	Code: ZVF											
Number of outlets 3 outlets	Code: 03											
Revision Status A	Code: A											
Metered volume 1.5 cm <sup>3</sup>	Code: 15											
Metering Metering screw 1/1 for 3 and 4 outlets	Code: 21											
Flange plate with flange plate	Code: F											

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For smooth motion*

