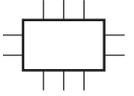




**Two-line distributor
VZE-I**



Use:

This type of distributors is used in two-line systems for lubricant metering

The most essential features of **WOERNER**-two-line distributors are:

- **Modular design, rigid construction**
- **Lubricant volume gradually adjustable**

Technical data:

Operating pressure at max.: 250 bar
 Differential pressure at min.: 15 bar
 Metering volume
 Size 0: 0,2 ... 1,5 cm³
 Size 1: 0,2 ... 3,0 cm³
 Number of lubricant point supplies at max.: 8
 Metering medium: Oil as of 15 mm²/s
 Grease up to consistency no. 3
 Temperature range: -30 ... +80 °C

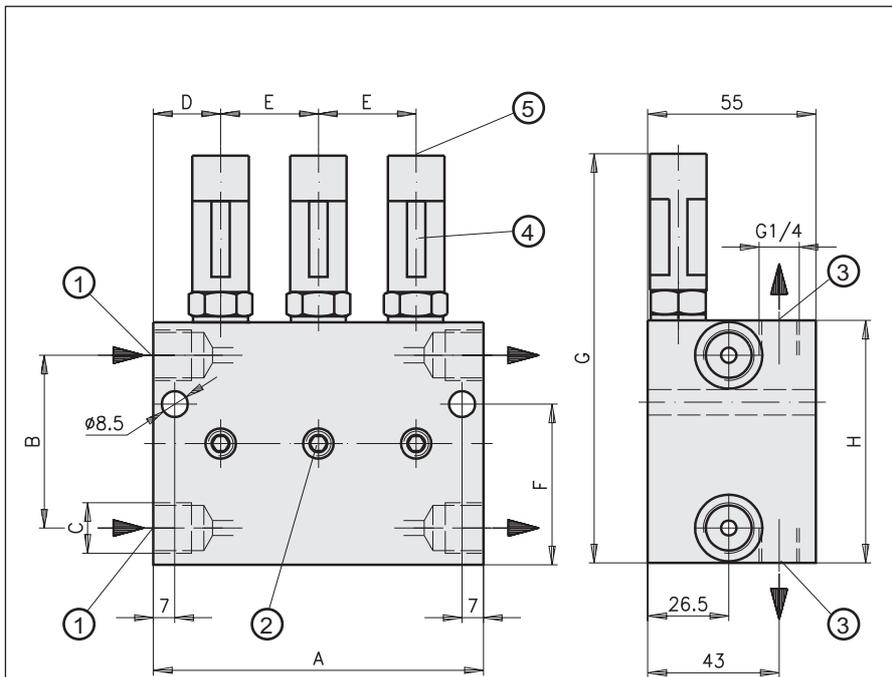
At low temperatures the operating penetration of the grease must be taken into account.

Material

Casing: galvanized steel
 Visual indicator cap: Plastic
 Gasket material: FPM (Viton)

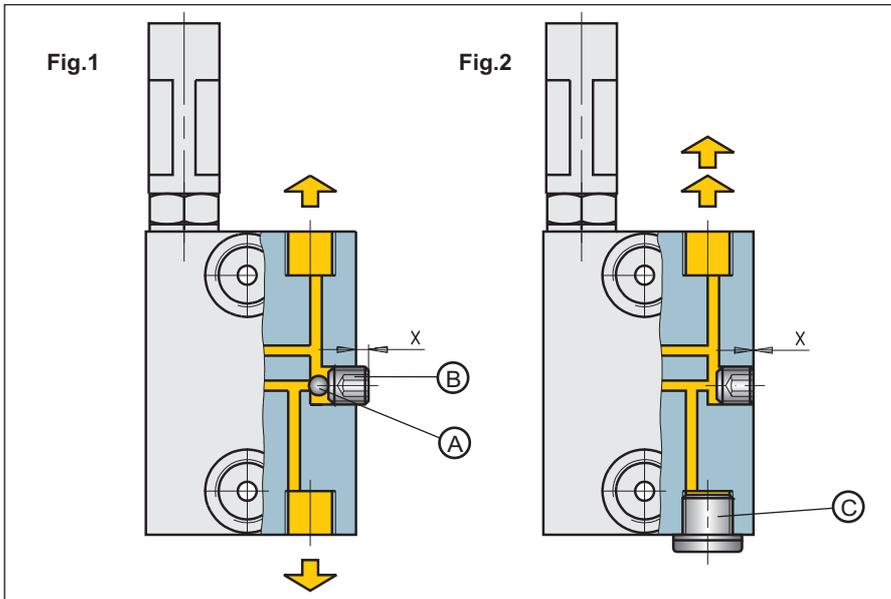
Note to dimensional drawing:

- 1 = Inlet supplies
- 2 = Place for connection / disconnection of opposing supplies
- 3 = Outlet supplies
- 4 = Functional check (movement of metering piston is displayed)
- 5 = Metering volume continuously adjustable (by means of a setscrew, metering volume can be adjusted continuously)



Metering volume	Number of outlets	A	B	C	D	E	F	G	H
Size 0 (0,2 ... 1,5 cm ³)	2	48	32	G1/4	24	0	27,5	93	55
	4	75							
	6	102							
	8	129							
Size 1 (0,2 ... 3 cm ³)	2	45	57	G3/8	22	0	53	135	80
	4	76							
	6	108							
	8	140							

- Subject to modifications -


Combination of outlets, double metering volume at any outlet:

Ball "A" as shown in fig. 1 blocks the opposing outlets against each other. If two opposing outlets are to be connected with each other (fig.2), procedure should be as follows:

- Remove screw "B"
- Take ball "A" out
- Insert screw "B"
- Close any outlet by lock screw "C"

At the second outlet, double metering volume is allocated now.

By means of the screwing depth of screw "B" (measure X), you can see whether the outlets are connected with each other.

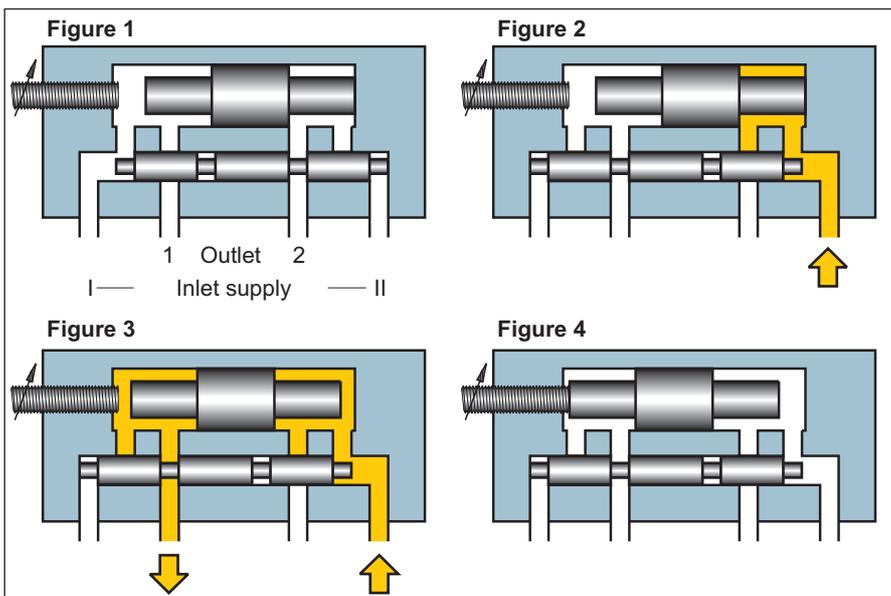

Mode of operation and functional scheme:

Figure 1: Distributor is in idle position with no lubricant being delivered. Both the metering and control piston are in their right-side home positions.

Figure 2: When pressure is built up in inlet supply II, the control piston is displaced to the left.

Figure 3: By displacing the control piston (figure 2), the inlet supply is connected with the metering space. The metering piston is pushed to the left with the metered lubricant volume being delivered through outlet 1 to the lubrication point.

Figure 4: The metering piston has reached its left-side home position, and inlet supply II needs to be pressure-relieved. Lubricant delivery through outlet 2 is accomplished analogously by pressure build-up in inlet supply I.

Purchase-designation:

Two-line distributor 

Metering volume	Number of outlets	Electrical control
Size 0 (0,2 ... 1,5 cm ³) ①	② ④	without ①
Size 1 (0,2 ... 3,0 cm ³) ①	⑥ ⑧	

Purchasing-example:

For a two-line distributor with metering volume "1", 4 outlets, without monitoring:

Purchase-designation:
VZE-I/1/4/0

Auxiliaries: **Purchase-no.:**
 Ball "A" 912.500-05
 Lock screw "B" 206.674-65

- Subject to modifications -