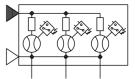


OL-single-line distributor VOE-D

with delivery monitoring



Use:

In OL[®]-lubrication systems that are based on the one-line system

- Smallest oil volume per time unit as continuous oil flow.
- High functional safety because of visual and electrical delivery checking.
- Selectable proportioning volume per lubrication point each (11 ... 230 mm³ per cycle).
- Air throughput per lubrication point individually adjustable.
- Compact design.

Technical data:

Air operating press		
max.:	10 bar	
min.:	2 bar	
Oil operating press	sure	
max.:	45 bar	
min.:	Outlet pressure + 20 bar	
Oil relief pressure:	< 1,2 bar	
Medium:	Oil	
Viscosity:	up to 3000 mm²/s	
Temperature range	e: 070°C	
Material:	Alu/steel	
Visual range:	PMMA	
Sealing material:	FPM (Viton)	
Weight:		
VOE-D/2	0,8 kg	
VOE-D/4	1,4 kg	
VOE-D/6	2,0 kg	
VOE-D/8	2,6 kg	
Initiator:		

initiator.	
Operating voltage:	10 30 VDC
Residual ripple:	≤15%
Load current:	130 mA
System of protection:	IP67
Electrical connection:	

Four-pole unit plug (M12) (for matching cable jack see auxiliaries)

Connection diagram:

OL-single-line distributor VOE-D

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Leaflet-No. 0127.02.04 GB Supplements No. Replaces No. 0127.02.03 GB



Functional scheme

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Spare parts

Proportioning element

Proportioning element

Proportioning element

Proportioning element

Proportioning element

Blind element

Initiator

Proportioning element 110

Proportioning element 230

proportioning element DEB:

Idle position, no oil delivery

Lubricant delivery and pressure build-up. Proportioned lubricant

volume is allocated to.

Pressure relief in oil inlet.

Lubricant in proportioning

element is rearranged.

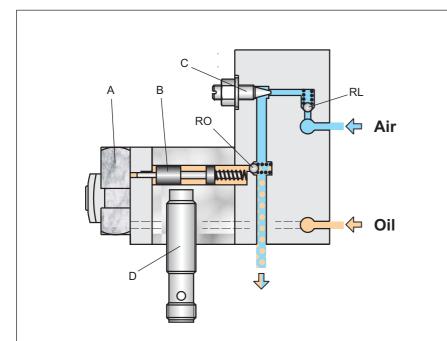
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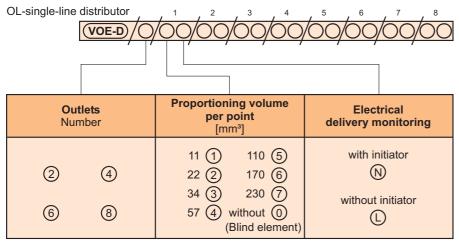
Mode of operation:

The oil volume as allocated by proportioning element A (DEB) causes pin B to shift. This pin attenuates initiator D. After completion of oil delivery, pin B is moved back into its home position by means of the spring.

The oil is delivered into the oil-air mixing channel via an oil check valve RO. The transport air coming from the air check valve RL moves the oil as a steady lubricant coating to the friction point.

Every point an air throttle screw C is allocated to. This screw enables the required compressed air throughput to be adjusted.

Purchase-designation:



Purchase-example:

OL-single-line distributor with 4 outlets, proportioning volume 57; 110; 230; 170 mm³ and initiator at point 1, 2, 4.

Purchase-designation:

VOE-D/4/4N/5N/7L/6N



(purchase separately, please)

Cable jack per initiator	913.404-46

Purchase-no.

11

22

34

57

170

160.222-67

160.224-67

160.228-67

160.234-67

160.216-67

160.218-67

160.236-67

160.208-67

913.900-07

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