

D300 Pressurized Metering Device



Grease



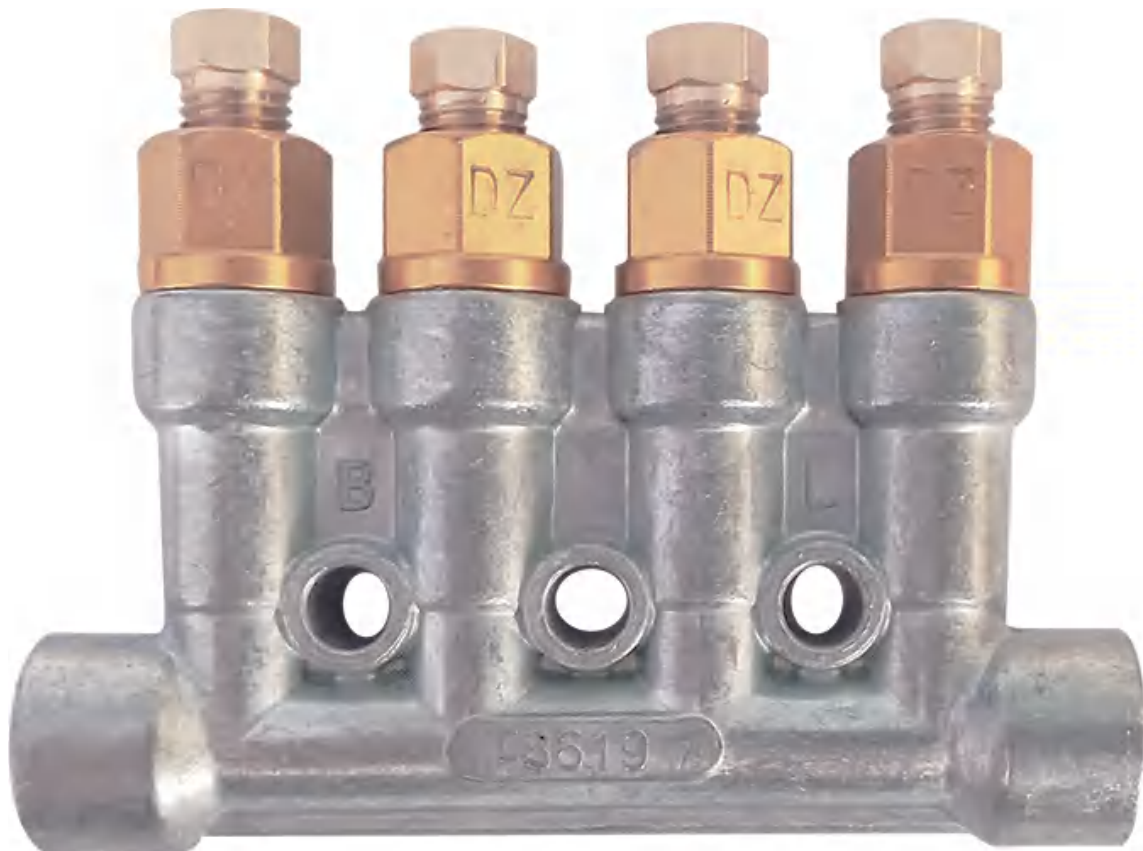
Pressurized



Various specifications



NLGI000~1



Performance

1. The grease sent from the oil pump enters the distributor, so that the umbrella valve in the distributor starts to push upward;
2. After the umbrella valve closes the center hole of the core rod, it forces the piston to overcome the spring force and begin to rise to discharge grease stored in the upper cavity;
3. When the piston moves to the apex of upper cavity, grease discharge is completed at the same time;
4. When the pump stops supplying grease, its pressure-relief valve opens automatically, and the pressure in the main line prompts the pressure-relief valve to return grease. At this time, the system pressure drops and the piston in the distributor begins to recover under the action of the spring. When the umbrella valve returns to close the inlet of distributor, the piston presses the grease stored in the lower cavity to the upper cavity through the small hole of the core rod, and the grease storage work is completed.

Order code

D300 -

Lubricant metering device

D300 series lubrication distributor

Number of outlets

2 = 2 outlets

...

10 = 10 outlets

First outlet

03 = 0.03mL/cycle

06 = 0.06mL/cycle

10 = 0.10mL/cycle

16 = 0.16mL/cycle

20 = 0.20mL/cycle

40 = 0.40mL/cycle

60 = 0.60mL/cycle

Second outlet

03 = 0.03mL/cycle

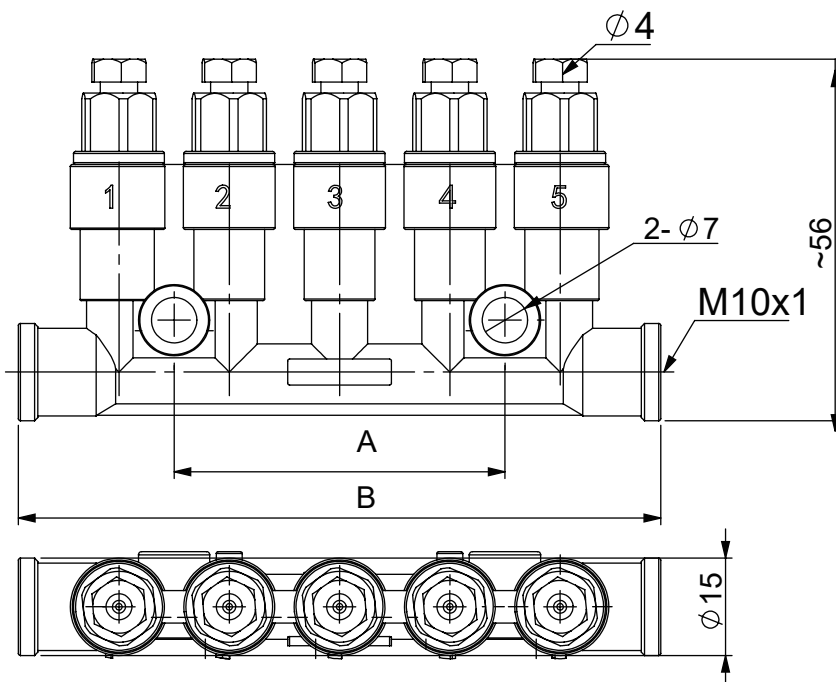
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60 = 0.60mL/cycle

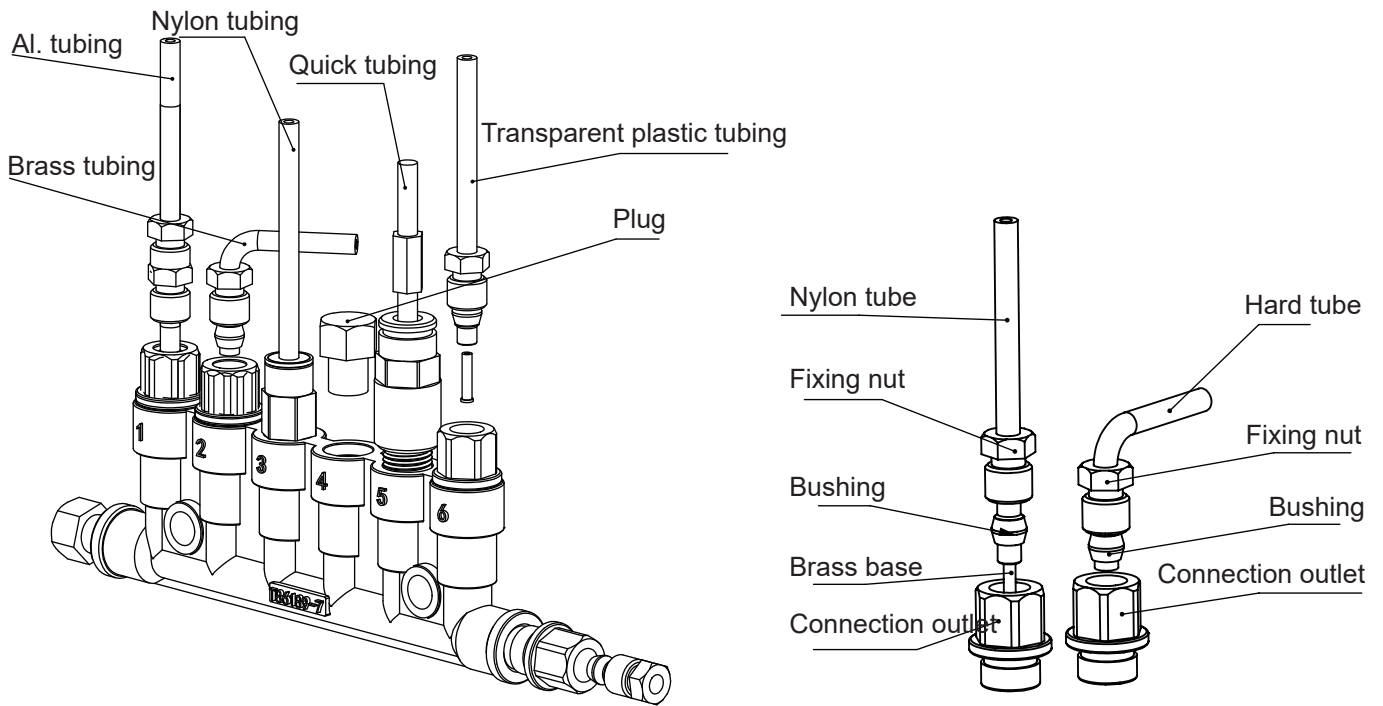
Specifications

Model	Outlets	Metering quantity	Inlet	Outlet	A(mm)	B(mm)	Pressure
D300-2	2	0.03mL/cycle	M10x1.0 Φ6		-	48	8bar to 30bar
D300-3	3	0.06mL/cycle			17	65	
D300-5	5	0.10mL/cycle 0.16mL/cycle		M8x1.0	51	99	
D300-7	7	0.20mL/cycle 0.40mL/cycle		Φ4	68	116	
D300-8	8	0.60mL/cycle			102	150	
D300-10	10				136	184	

Dimensions



Connection Method



Single-line and pressure relief systems can be connected to plastic and metal tubing, including copper tubes, aluminum tubes, nylon tubes and hoses with spring protection. The system pressure varies from 2MPa to 10MPa according to the material of the tubing. The above drawings show the connection methods of different material tubes.

Layout of D300 Metering Device in Centralized Lubrication System

