

# Lubrication Distributor

## - KM Series -

### INDICATION

#### **KM Series Features:**

- Progressive Type Lubrication Distributor
- 3~8 Element As Per Working Condition
- Useful For Multi-Lubrication Points, Different Volume Requirement
- Contact us for custom design
- Testing standard JBZQ Technology standard

**Characteristics of Product:** ▼



KM Series single-line lubricating divider is designed for single-line centralized lubrication system with characteristics of intensive lubrication point, different grease consumption, composed of a cluster-type distribution system to achieve sub-control lubrication. The KM Series are made of steel, including supply plate, the end of the plate and 3 to 8 according to the design needs of middle elements to the oil and port number combination. Normal outlet ports of the divider is set in the sides of the plates, also set in the above preparation outlet ports. The dividers are equipped with check valve in the outlet of each middle element, can completely prevent the back pressure of lubrication points and the grease countercurrent to ensure that the outlet to the grease fixed quantitative and accurately.

**Ordering Code:** ▼

**KM - 3 - 10 T - LS - R**

KM= Single line lubricating divider

Number of middle elements= 3, 4, 5, 6, 7, 8

Piston series

Outlet port instructions :

T = The standard, there are two grease outlets from the two side of the intermediate plate

S= Only one grease outlet, the outlet grease amount is twice than the T type, left or right both side are available for greasing

LC= No left outlet port, merged the grease from the direction of grease into the exit on the left and adjacent plate

RC= No right outlet port, merged the grease from the direction of grease into the exit on the right and adjacent plate

2C= No outlets ports, merged the grease from the left and right ports and adjacent plate

Omit= Without indicator  
R= With indicator

Omit= Without circle switch  
LS= With switch

**Technical Data:** ▼

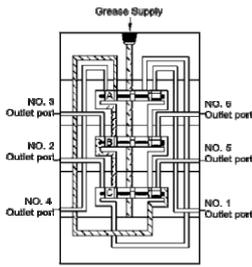
Model	KM Series										
	10S	15T	15S	20T	20S	25T	25S	30T	30S	35T	35S
Piston type	10S	15T	15S	20T	20S	25T	25S	30T	30S	35T	35S
Grease feeding (ml/ cycle)	0.328	0.246	0.492	0.328	0.656	0.410	0.820	0.492	0.984	0.574	1.148
Outlet port	1	2	1	2	1	2	1	2	1	2	1
Max. pressure	21MPa					10MPa					

Suitable medium for cone penetration of not less than 265 (25 ° C, 150g) the 1/10mm 's grease or viscosity grades greater than the N120 's lubricants :

Apply to an ambient temperature of -10 ° C - 80 ° C

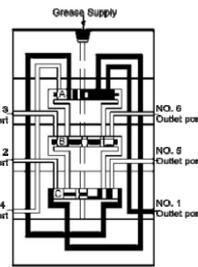
# Lubrication Distributor - KM

## Work Principle:



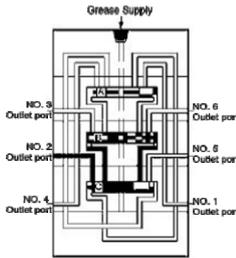
Grease flows into supply port by the lubrication pump pressure, to promote the piston A, B, and C action in the direction of the arrow.

The piston A, B, left cavity under the action of the oil pressure in the right bit, fixed piston C right chamber into the pressure, the grease begins to move to the left.

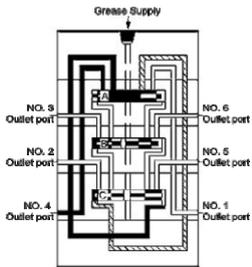
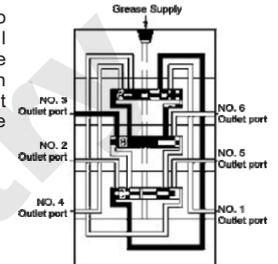


The lubricant grease push the piston C moves to the left, the left chamber of the lubricant grease pressure by the external piping to the No.1 sent to the lubrication point. The lubricate oil into piston B right chamber when the piston C moves to the left limit.

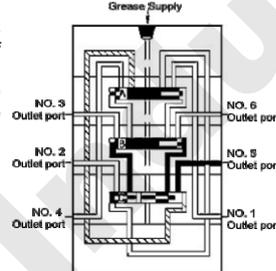
The grease flows push the piston B move to the left, the left chamber of the lubricant oil pressure to the No.2 outlet through the external piping to send to the lubrication points. The lubricate oil into piston A right chamber, when the piston B moves to the left limit.



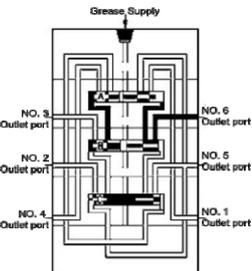
The grease flows push the piston B move to the left, the left chamber of the lubricant oil pressure to the No.2 outlet through the external piping to send to the lubrication points. The lubricate oil into piston A right chamber, when the piston B moves to the left limit.



The lubricant oil flows push the piston C moves to the right, the right chamber of the grease pressure to No.4 outlet through the external piping to send to the lubrication points. The lubricate oil into the piston B left chamber when the piston C moves to the right limit.

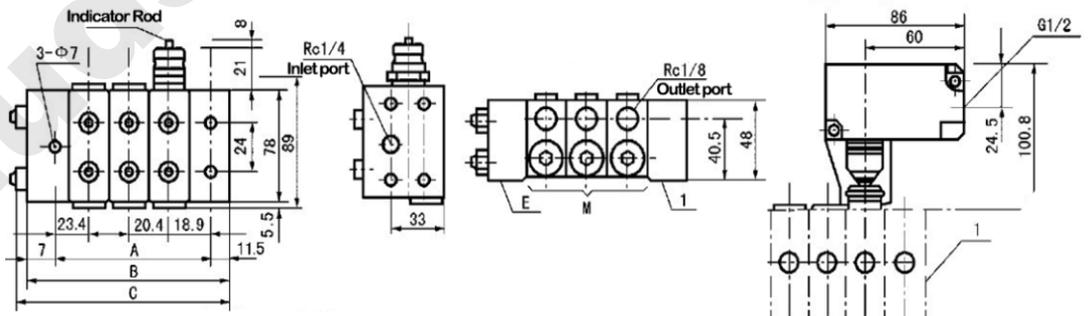


The lubricant oil flows push the piston B moves to the right, the right chamber of the grease pressure to No.5 outlet through the external piping to send to the lubrication points. The lubricate oil into the piston A left chamber when the piston B moves to the right limit.



The lubricant oil flows to push the piston moves to the right, the right chamber of the lubricant pressure outlet, external piping to send to the No.6 to the lubrication point. When the piston A to move to the right limit to return to the initial state, continue to repeat the above action.

## Dimensions:



Model	Plate nos.			A	B	C	Inlet thread	Outlet thread	Max. outlet ports	Weight
	I	M	E							
KM-3	1	3	1	83.1	101.1	112	Rc 1/8	Rc 1/8	6	2.9kgs
KM-4	1	4	1	103.5	122	8			3.5kgs	
KM-5	1	5	1	123.9	142.4	10			4.0kgs	
KM-6	1	6	1	144.3	162.8	12			4.6kgs	
KM-7	1	7	1	164.7	183.2	14			5.2kgs	
KM-8	1	8	1	185.1	203.6	16			5.7kgs	



# INTERNATIONAL LUBRICATION EQUIPMENT

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