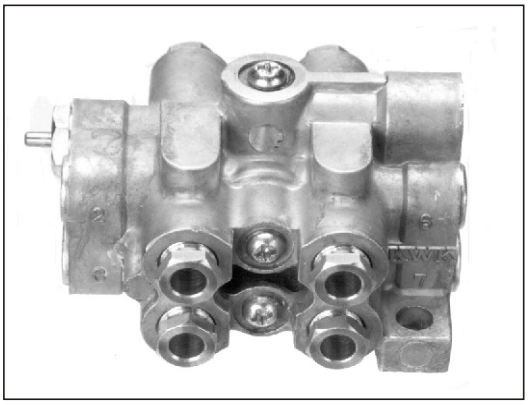
technical specifications

KWK PROGRESSIVE DISTRIBUTOR

The KWK distributor valves deliver a measured volume of lubricant at the outlet ports by operating the integral pistons in a progressive sequence. This operation is continuous as long as the supply of lubricant is maintained.



Functional distribution can be monitored by observing the movement of the cycle indicator stem. One reciprocal motion of the stem corresponds to a complete cycle of the distributor. This feature also combines to control the volume delivery and if required a micro-switch can be supplied to verify the operation.

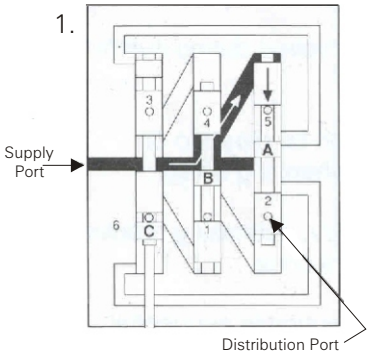
Distributors are available with 4, 6, 8 and 12 outlets. Additional points may be covered by using them as secondary distributors in a single line system. The supply of lubricant can be fed from a simple grease gun or by a central, manual or automatic pump.

ADVANTAGES

- ! A large number of lubrication points can be economically grouped to a central location and services from one point.
- ! Lubrication can be achieved during machine operation.
- ! Inaccessible points can be piped to an accessible location enhancing safety.
- ! Precise volume delivery, optimising machine operation and lubrication costs
- ! Enhanced reliability by simple sequential reciprocation of integral pistons
- ! Visual indication of correct function

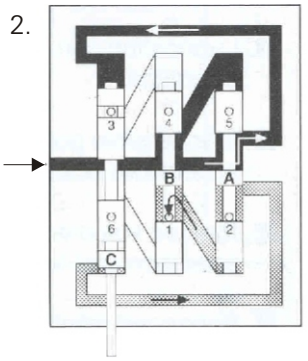
FUNCTIONAL SEQUENCE OF THE DISTRIBUTOR

1.



Lubricant is taken in from the supply port under pressure, and pushes piston A downward until it stops at the specified position.

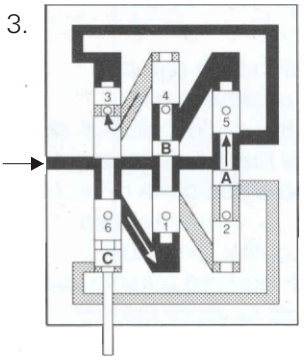
2.



Following the downward motion of the piston A the grease contained the lower side of piston A is pushed out through the discharge port 1. At the same time, the port which leads to piston C opens pushing piston C down. the grease contained in the lower side of the piston C is pushed out through the discharge port 2.

As piston C moves downward the post which leads to the upper side piston B closes, while the port which leads to the lower side of piston B opens.

3.

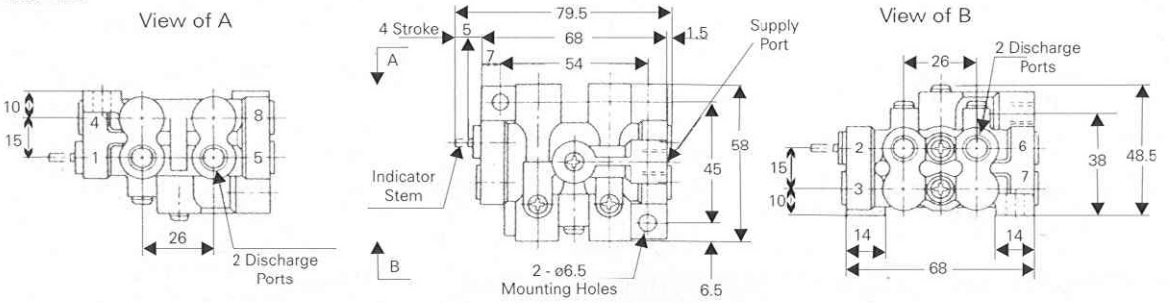


Resulting in the upward motion of the piston B, the grease contained in the upper side of the piston B is pushed out through the discharge port 3.

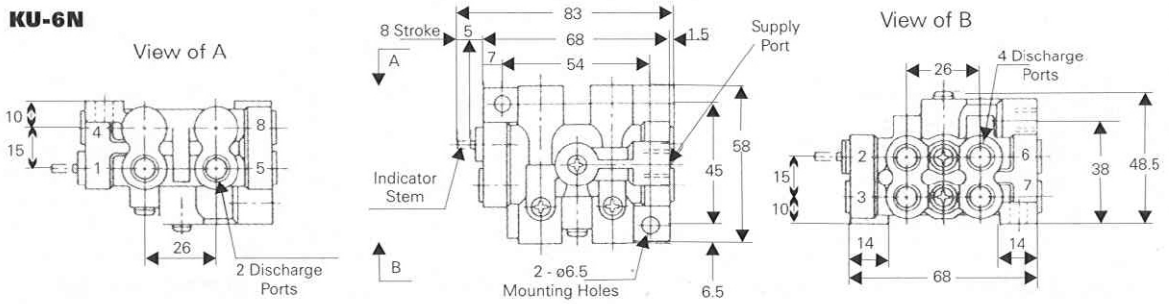
The continuation of the grease flow operates the pistons in reverse order and the lubricant is discharged from ports 4, 5 and 6, thus completing a full cycle.

MEASURING VALVES

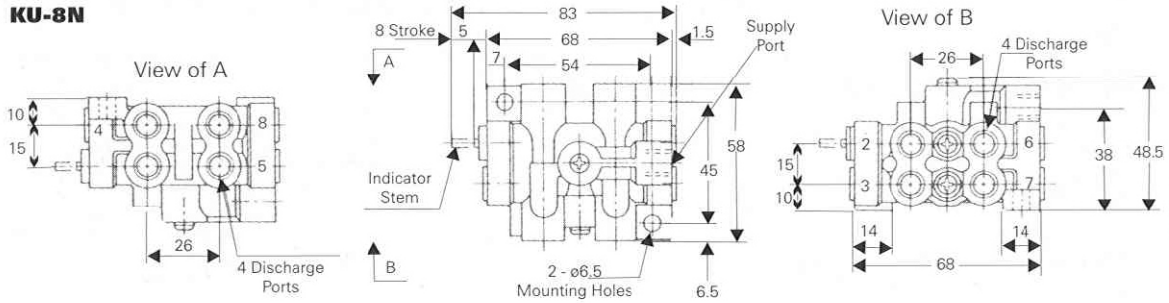
KU-4N



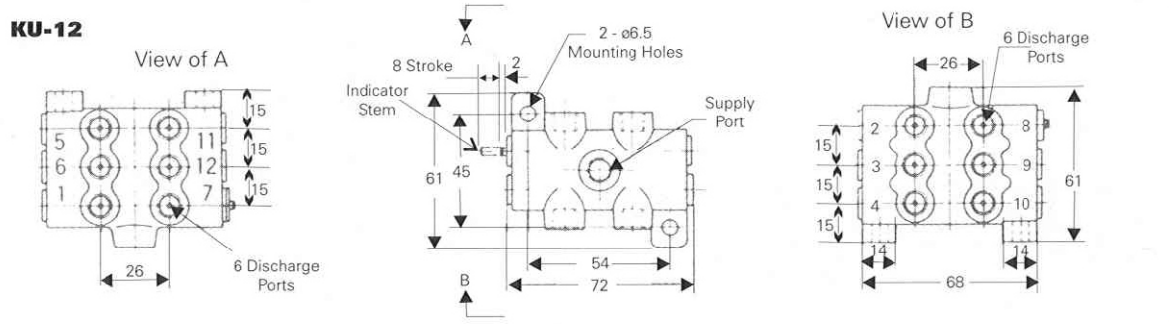
KU-6N



KU-8N



KU-12



KWK

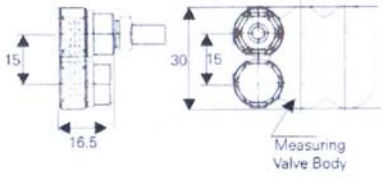
SPECIFICATIONS

Model	Discharge Ports	Discharge Capacity	Material (body)	Max. Working Pressure	Weight (kg)	Thread Connections
KU-4(L)N KU-6(L)N KU-8(L)N KU-12(L)	4 6 8 12	0.3cc/Stroke/ Outlet	Aluminium Die-Cast	OIL - 60 Bar Grease - 150 Bar	0.27 0.26 0.27 0.39	Inlet Port Rc 1/8 *Outlet Ports 1/8"BSP

NOTE: (L) mark denotes measuring valve for oil - please specify when ordering.
*Outlet ports are supplied complete with sleeve and nut and cone - Ø6mm tube

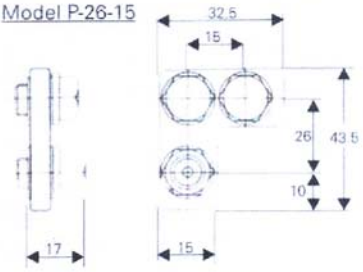
BRIDGING ADAPTOR FOR KU MEASURING VALVES

Model P-15



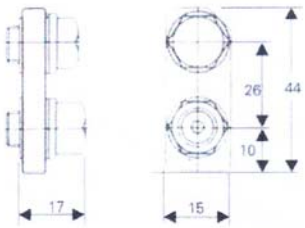
2 PORT CONNECTION (vertical)

Model P-26-15



3 PORT CONNECTION

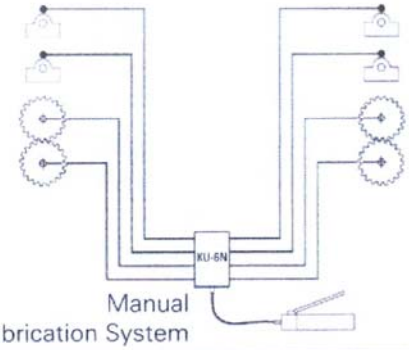
Model P-26



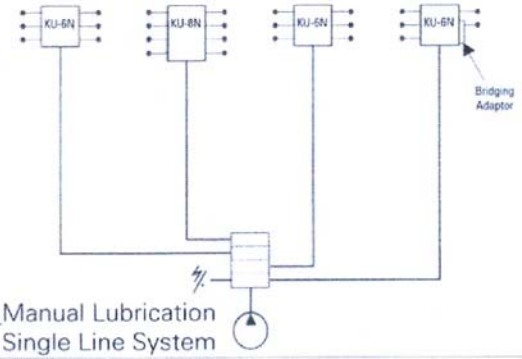
2 PORT CONNECTION

NOTE:
- Blind plugs should never be inserted into unwanted discharge ports as the sequential movement of the Pistons would be blocked. Unwanted ports are connected to useable ports by the use of a bridging adaptor.
- The bridging adaptors can also be utilised to provide a larger discharge to a selected bearing(s) by combining the flow from two or three ports.

KWK PROGRESSIVE DISTRIBUTOR LUBRICATION SYSTEMS



Manual Lubrication System



Automatic or Manual Lubrication Single Line System