

ALDV Grease Divider Valves

*Progressive Lubricant Divider valves
to distribute Grease or Oil Evenly
(Cast Aluminium)*



Part Numbers: ALDV4, ALDV6, ALDV8, ALDV12

The ALDV Dividers 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. Grease will not take the path of least resistance and therefore the length of line is not important.

Functional distribution can be monitored by observing the movement of the visual indicator pin. One reciprocal motion of the stem corresponds to a complete cycle of the divider valve.

Distributors are available with 4, 6, 8 and 12 outlets. The supply of lubricant can be fed from a grease gun through the grease nipple or it can be installed in a centralised lubrication system using an automatic grease or oil pump.

Key Features

- 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
- Visual indication with the indicator provides confidence the divider is operating

An advanced feature is grouping several ALDV divider valves together to economically grease a large number of lubrication points with the one grease point. Please consult your representatives for technical advice.

Due to the progressive functionality outlets cannot be plugged off as it will block the whole divider valve. Unwanted outlets can be Tee-d off, but it will double the lubricant outlet.

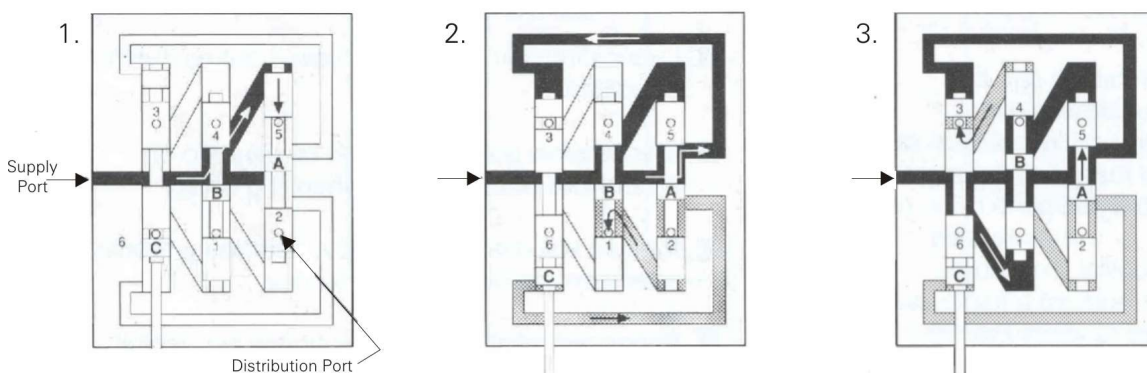
Ordering Details

ALDV4	4 Outlet Divider Valve
ALDV6	6 Outlet Divider Valve
ALDV8	8 Outlet Divider Valve
ALDV12	12 Outlet Divider Valve

Technical Specifications

Discharge Ports	4, 6, 8 or 12
Discharge Capacity	0.3cc/Stroke/Outlet
Material (body)	Aluminum Diecast
Max. Working Pressure	OIL - 60 Bar Grease - 150 Bar
Thread Connections	Inlet Port Rc 1/8 Outlet Ports 1/8"BSP

Operating Principle



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 lubricant contained in 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 lubricant contained in the lower side of the piston C is pushed out through the discharge port 2.

As piston C moves downward the port 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 lubricant contained in the upper side of the piston B is pushed out through the discharge port 3.

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