

FREEFALL FIRE VALVE LUBRICATION PROCEDURE

Landon Kingsway cannot anticipate all operating conditions valves will face in use. It is the user's responsibility to examine the individual conditions and set their own maintenance schedule, however Landon Kingsway recommend lubricating 3 x per year as a minimum.

Lubrication Procedure

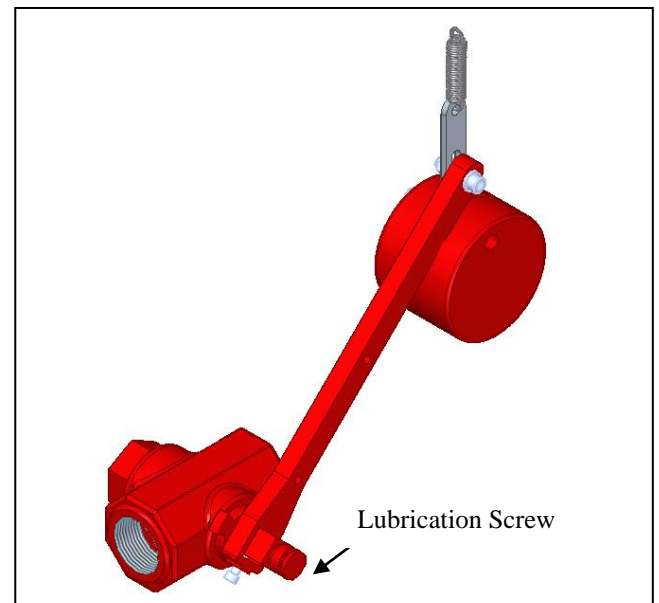
1. Ensure media supply is isolated prior to any lubrication.
2. Under normal conditions the Valve should be lubricated at a MINIMUM every 5 cycles. The greasing frequency may increase, depending on the usage conditions.
3. More frequent greasing is recommended should the valve be exposed to any of the following:
 - * High Temperature
 - * Presence of H₂S, CO₂, Condensate or Distillates
 - * High Flow Rates
 - * Abrasives (sand)
4. LUBRICATE IMMEDIATELY if the valve exhibits higher than normal torque to cycle - this indicates a lack of grease in the Valve.
5. We do not recommend greasing the valve when pressurised.
6. When greasing, ensure the valve is in the open position.
7. If using a grease injection gun (10034501 & 10034521), connect to the grease nipple at the end of the lubricating screw and monitor the grease gun pressure gauge while pumping grease into Valve
8. If lubricating by hand remove lubricating screw from the end of the square shaft. Fill the reservoir inside the shaft with lubricant stick and replace the screw. Tighten the screw until a definite increase in resistance is felt, inserting further lubricant as necessary.
9. Function from the open to closed position and back to the open position, repeating this process at least 3 times.
10. If a popping sound of trapped air being released still occurs when functioning the Valve, repeat greasing process until air release no longer occurs.
11. After greasing the valve re-test the system.

SYSTEM TEST

Release the cable by releasing the quick release mechanism. The valve should close in a controlled manner with the lever travelling through a full 90°.

If the valve does not travel through the full 90° (¾ turn):

- Check for physical obstruction of the lever and weight(s) E.g., pipework
- Check the fusible link(s) and cable joins do not jam against pulleys
- Make sure that the cable is fitted around the pulleys and has not slipped off
- Repeat Lubrication of the valve



If you have any questions or need any help then please contact our sales office.

Grade 650 (Blue) Suitable for Diesel, Fuel Oil & Bio-Diesel

Supplied as standard with valves, alternative compounds available for different media

Lubricant Part Number	Description
99013852	Grease Cartridge for all valve sizes
99015559/4	Grease Stick - 3/8" (Pack of 4, for 1/2" to 2" valves)
99015559/8	Grease Stick - 3/8" (Pack of 8, for 1/2" to 2" valves)
99015559/16	Grease Stick - 3/8" (Pack of 16, for 1/2" to 2" valves)
99015560/4	Grease Stick - 1/2" (Pack of 4, for 2 1/2" to 6" valves)
99015560/8	Grease Stick - 1/2" (Pack of 8, for 2 1/2" to 6" valves)
99015560/16	Grease Stick - 1/2" (Pack of 16, for 2 1/2" to 6" valves)