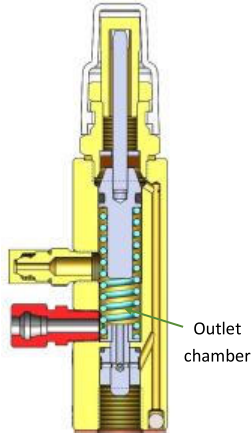
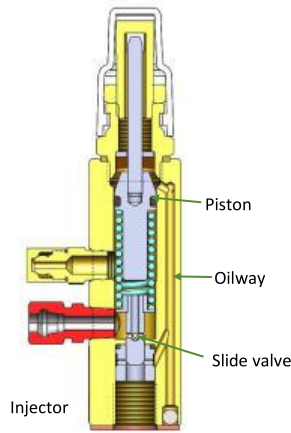


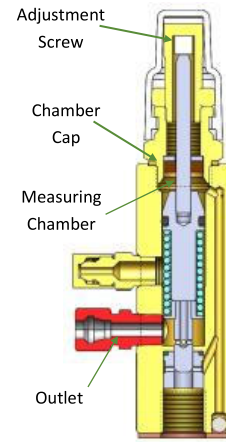
## II-1 Grease Injector Operation



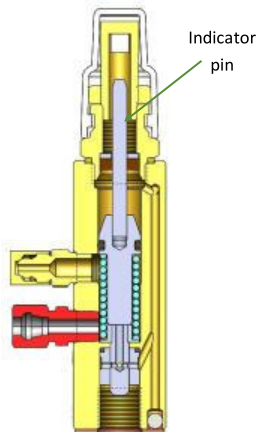
**Stage 1** Grease injector is relaxed. Pump is not running, lubricant is not under pressure. The outlet chamber is full of grease from the previous cycle.



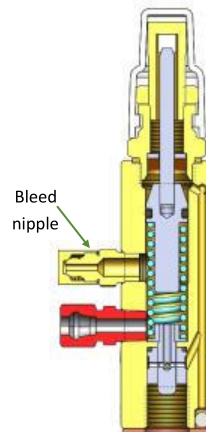
**Stage 2** Pump runs, lubricant is pressurised, inlet grease pressure pushes slide valve upwards, opening up the oilway to the measuring chamber above the piston.



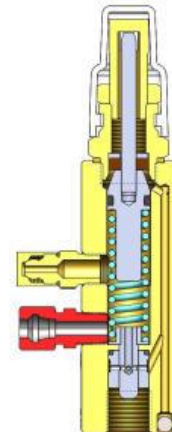
**Stage 3** Grease flows up the oilway into the measuring chamber, pushing the piston downwards against the spring force. The grease sitting in the outlet chamber from the previous cycle is pushed out the outlet.



**Stage 4** Measuring chamber is now full. All the grease in the outlet chamber has been expelled. The pressure has peaked and the pump has now switched off. Lubricant pressure decays, the slide valve is pushed back down by the spring force, closing the inlet.



**Stage 5** The slide valve is down, opening up the passage between the oilway and the outlet chamber. Spring force pushes the piston back up, pushing the grease out of the measuring chamber, back down the oilway into the outlet chamber.



**Stage 6** The piston has returned to its upmost position, all grease has been expelled from the measuring chamber and is now sitting in the outlet chamber at rest until the next pump cycle begins.