

Metering Valve Model Ilcomatic-1

Description

Ilcomatic-1 metering valves are indicated for applications both in oil and soft grease automatic lubrication systems. They may be assembled both on a single-joint divider or directly on lubricating points. For correct operation, pressure at main line shall not be lower than 15 kg/cm².

Flow Diagram

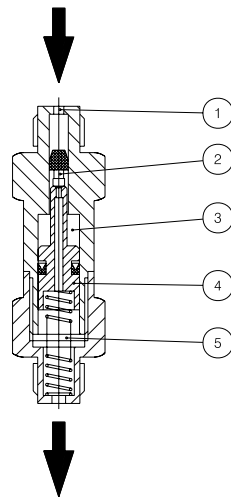


Figure 1

When the pump pumps lubricant through the inlet hole (1), pressure at valve lip (2) increases up to a pre-defined limit and then it allows lubricant entering into vane (3). Piston (4) moves forward to release lubricant previously stored at vane (5).

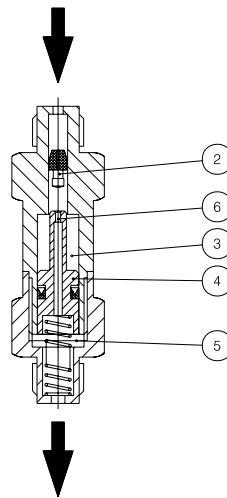


Figure 2

During relief phase, piston (4) returns to the initial position due to the action of spring. Its movement causes sealing valve (2) to open hole (6). Lubricant then is transferred from vane (3) to (5).

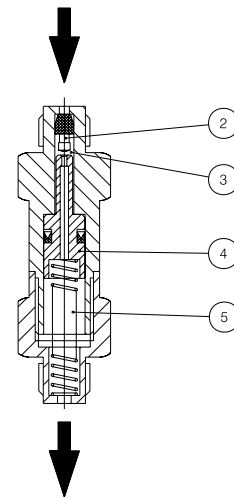


Figure 3

Now piston (4) has completed its course and lubricant has been fully transferred from vane (3) to vane (5). Sealing valve (2) has closed hole (6). System is now ready for a new cycle.