

Metering Valve Model Ilcomatic - 2

Description

Ilcomatic-2 metering valve is suitable both for oil and soft grease lubricating systems fed by an intermittent pump. Function of such metering valve consists in metering and sending previously established quantity of lubricant to the lubricating point. This is done by means of metering exchangeable nipples that may easily be substituted later on.

By varying interval frequency of pump, quantity of lubricant sent is successively regulated. Those meters are pre-assembled on an aluminum divider and have a defined number of outlets

During the project phase of a lubrication system, it is necessary to define a metering valve for each point, calculate total quantity of lubricant and choose the most adequate pump. Pausing time between cycles is, at least, 60 seconds.

General Features

Phase 1

At each pump actuation, pressurized oil flow passes through inlet orifice (1) and reaches lip seal (2) so allowing lubricant flow into the chamber (3). Piston (4) movement causes lubricant going to chamber (5).

Phase 2

At pressure relief phase, piston (4) starts returning to the initial position due to the action of the spring. Sealing valve (2) moves away thus opening the orifice (6). The lubricant accumulated in the chamber (3) is transferred into the chamber (5).

Phase 3

Piston (4) has completed its returning stroke. Lubricant has reached chamber (5) and sealing valve (2) has blocked communication orifice (6). Metering valve is now ready for a new cycle

