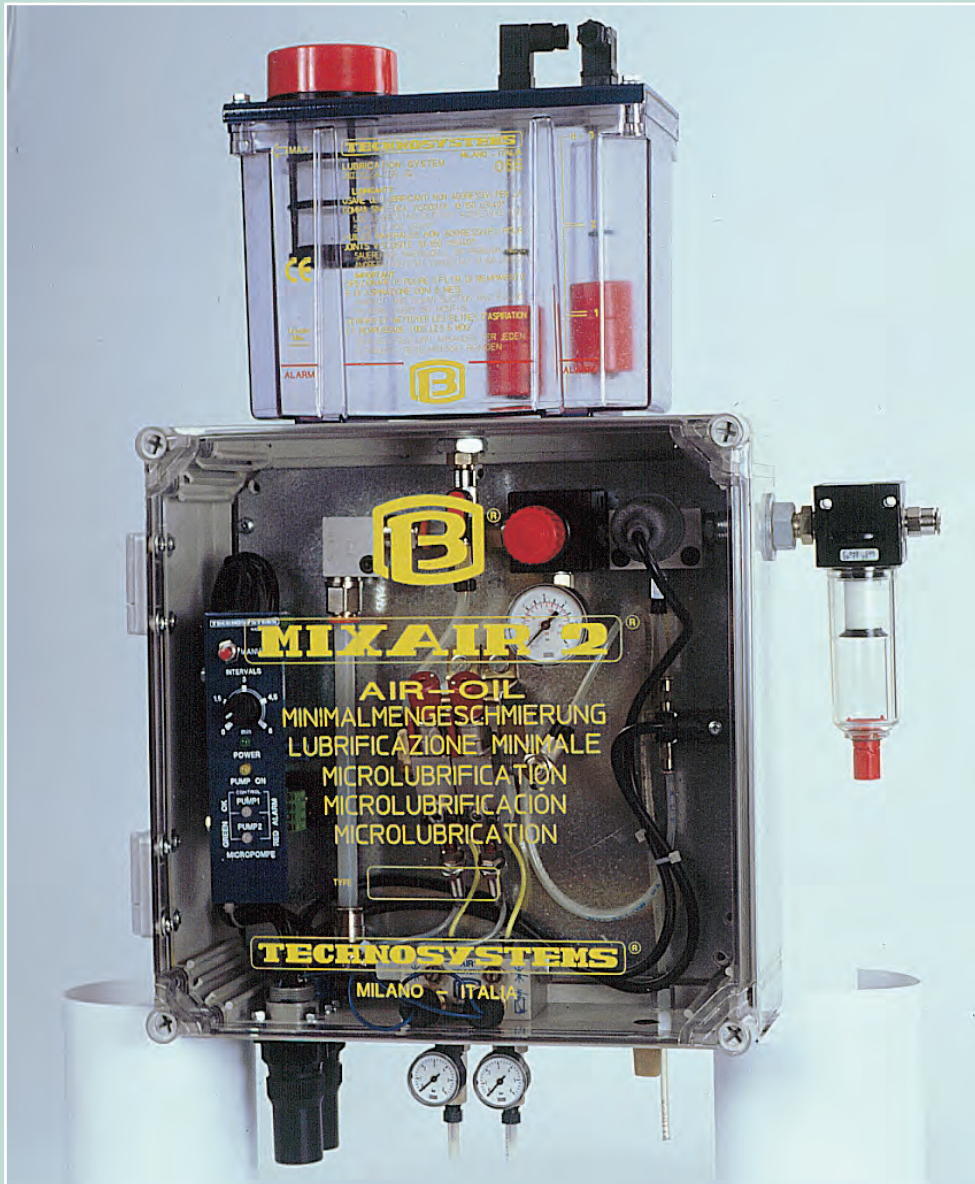
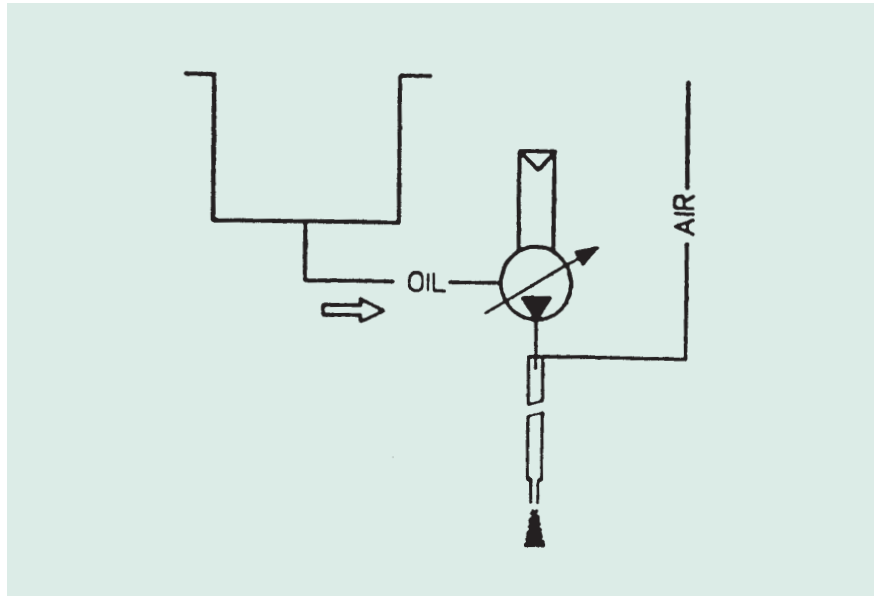


Adams



Known as the MIXAIR 2 system this has been developed to lubricate high speed roller bearings typically found on spindles and electrospindles, by using an air/oil mixture. This can also be referred to as microlubrication.

□ Mixair 2



The system is based on the principle of a flow of air, the quantity and pressure of which is controlled, which transports microparticles of lubricant to the bearings along the internal surface of the tubes connected to the friction points.

Here, they are subsequently reduced by a small drilled passageway, whose function it is to increase the air flow speed considerably in order to generate an air/oil mixture directed towards the bottom of the bearing races, Fig. 1, 2 and 3.

Since there is never any formation of an oil mist, the air is able to flow via the drainage passageways, thereby avoiding an overpressure in the bearing housings.

