End-of-line Pressure Device – DPC1 for Two-line Lubrication Systems

Application
The DPC1 System is designed for all two-line systems that use an end-of-line pressure controlled change-over valve (EM-U2, MP2, MHY1).

Fixed piping to the device is not required – the cabling enables a flexible installation of the device in an easily visible location.

System Features
The device monitors the entire function of the two-line system:
- Proper function of the pump and change-over valve
- Leaks in the pipe network

The self-adjusting optimum operating pressure increases the life cycle of the pump, the change-over valve and the metering devices.

The integrated timer makes it possible to operate a two-line system without a separate controller. Pneumatically driven pumps can be operated directly, whereas a motor starter is required for electrically driven pumps. A stable output signal is available that shows which mainline (A or B) has switched.

The IP 65 protection rating and shock-proof durability ensures the device is best suited for rigorous environments.

Energy Efficiency
The DPC1 increases the energy efficiency of the lubrication system by ensuring that the system operating pressure matches that of the ambient conditions. As a result, the pump motor only runs for as long as is required for pressure build-up. In the case of pneumatically driven pumps, compressed air is conserved.

System Components
The device consists of the housing with integrated control electronics, LCD display, membrane touch-pad, cables and plugs. Two pressure transducers (please order separately) are connected to the mainline. An optional p-n-p learning sensor or mechanical limit switch can be connected.

Versatile Settings
- Differential pressure (delta P) between mainline A and B (max 150 bar)
- Absolute pressure of the mainline A and B (max 400 bar)
- Monitoring time (1 sec to 99 min 59 sec)
- Pause time (1 min to 99 hrs 59 min)

The system can be equipped with an optional "learning sensor" on a metering device.