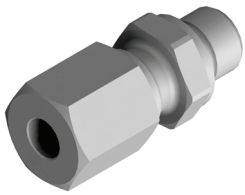
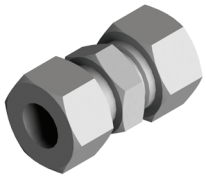
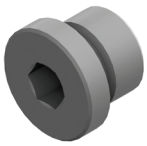
LUBRICATION SYSTEMS

Dual-line systems

Accessories

End line pressure switch - fittings
junction - piping

Dual-line systems

Dual-line system are used on large machines or systems. They can lubricate points at a great distance.

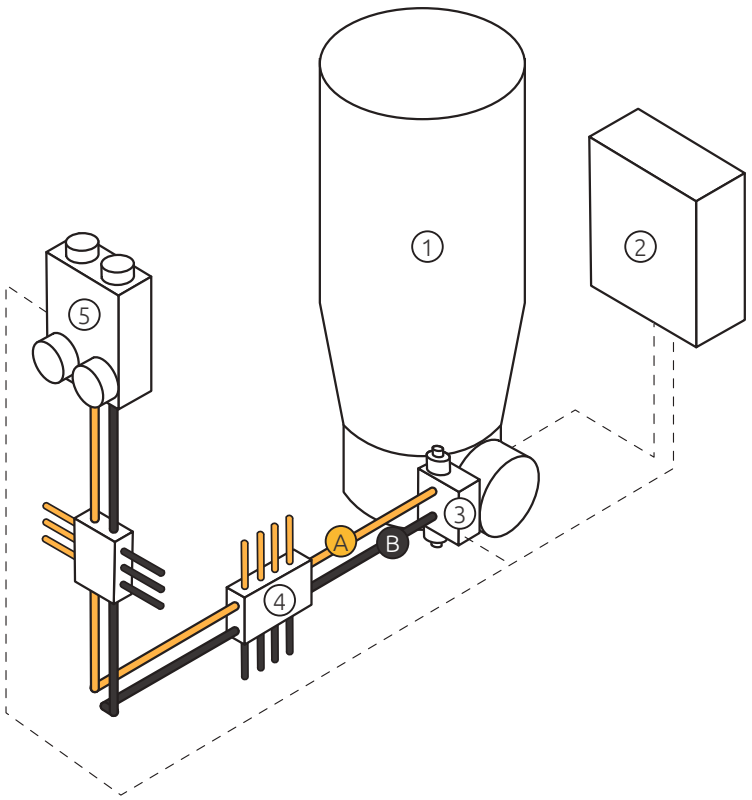
System structure

These systems consist of two main lines supplied by a high-pressure pump at up to 400 bar with alternating cycles. While one line is under pressure the other one is in relief (by a change-over valve). Sometimes it is possible to installa End Line Switch. The Control unit is usually installed near the pump.

Operating

The system operates a two-phases alternating cycle. In the first cycle, lubricant is pumped in main line (A) moving inlet and discharge pistons in one direction. The whole measured amount of lubricant in the valves is delivered to the outlets.

When the switch (or change-over valve) preset pressure is reached, the system pump switch to relief the main line (A) and lubricant is pumped in main line (B). Inlet and discharge pistons will move in the opposite direction as the cycle repeats.



1. Pump
2. Control Unit (CU)
3. Change-over valve
4. Metering valve
5. End-line pressure switch
A. Main line (A)
B. Main line (B)

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End line pressure switch

5N.PFL.C / 5N.PFL.G

The pressure switch is generally installed upstream of the last lubricant distributor in the main pressure line. It checks the system is working properly.

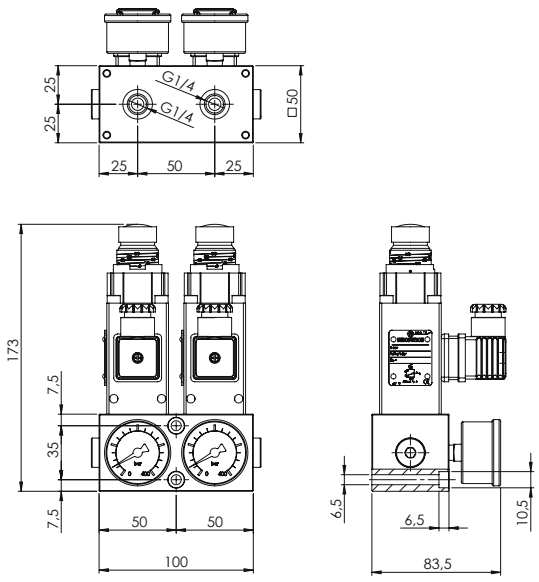
It can send a signal when the system is done lubricating

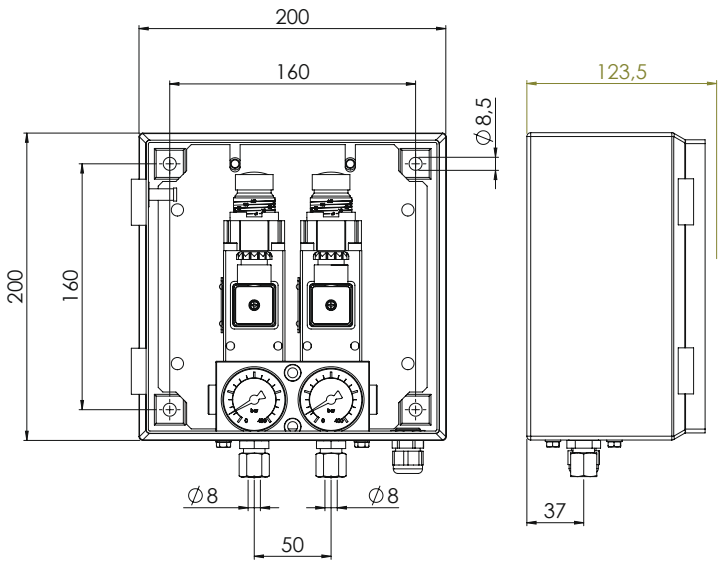
Dati tecnici

Body	Steel
Working range	40 – 400 BAR ± 2%
Seals	Nbr + teflon
Protection rating	IP-65 connector in accordance to UNI EN 175301-803 (DIN43650)
Max fluid temperature	100° C
Electrical features	5 A / 14 VDC /125 VAC /250 VAC 4 A / 30 VDC
Fixed hysteresis	~10% of the set value
Max safety pressure	90 bar
Mechanical life	10^6 Operations
Electrical contact	SPDT Silver

Ordering codes

Boxed	5N.PFL.C
Unboxed	5N.PFL.G





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