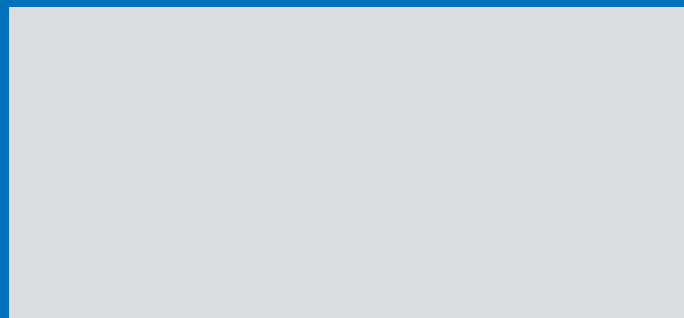


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Oil/Air Lubricator PRELUB PP

Oil/Air Lubricator PRELUB PP

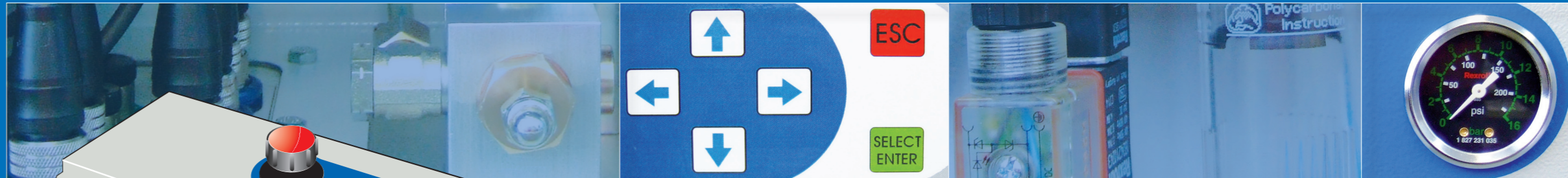
The novel oil-air lubricator PRELUB PP is matched optimally to the application for GMN machine spindles.

After a pre-lubrication cycle to be defined once, the device switches automatically into the normal lubrication cycle. Thus it is guaranteed that the high-precision ball bearings are supplied with sufficient oil right from the start before the spindles are released for operation. The filling level monitoring of the lubricant container moreover ensures undisturbed flow of the machining operation.

Up to six lubricating points and thus three spindles with two connections each can be supplied by means of a mixing distributor. The lubricant pipes should be run horizontally or slightly inclined and the pipe lengths should be at least 1 m and maximum 10 m.

Filtered oils with friction- and wear-reducing additives are recommended for the lubrication of the spindle bearings. More detailed specifications as well as the determination of cycle time and working pressure can be seen from the operating instructions.

- Units**
- PRELUB PP 2 (Standard)
2 Lubricating point connections
 - PRELUB PP 4
4 Lubricating point connections
 - PRELUB PP 6
6 Lubricating point connections



Advantages

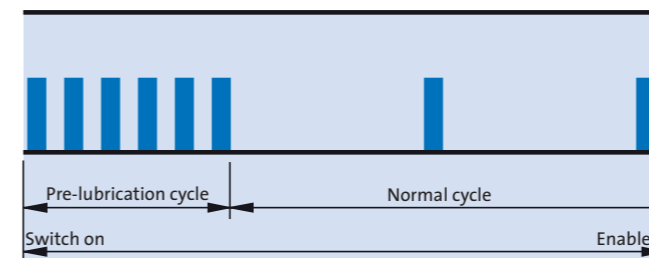
Equipped with a whole array of new features, the oil-air lubricator PRELUB PP offers the user considerable advantages:

- **Modular construction**
⇒ Control and non-electrical part separate
- **Monitoring of the dosing elements**
⇒ Lubricant shortage is prevented
- **Lubrication cycle interruption in the case of spindle standstill**
⇒ No unnecessary consumption of lubricant
- **Error memory**
⇒ Time saving by rapid error evaluation
- **Freely visible lubricant container that can be filled from outside made of limpid plastic**
⇒ Direct optical filling level indication
- **Voltage range from 110 to 250 V AC**
⇒ Immediately usable all over the world
- **Electronic control with display**
⇒ Fast setting of the parameters by simple menu guidance (plain text display)
- **Menu language selection (DE, ENG, ES, FR, IT)**
⇒ In many countries no comprehension problems
- **Control can be connected to a PC**
⇒ Clear screen display of the menu structure
- **Option: field bus interface**
⇒ Integration of the device into communication structure

Easily exchangeable

The predecessor device PRELUB ST can be replaced by the new lubricator PRELUB PP without great effort. Only a plug adaptor is necessary (available as option).

Diagram of pre-lubrication



Equipment

- Air/filter regulator (5 µm) with air purge
- Interface with the machine tool control system to signal readiness for operation after checking
 - Oil level
 - Oil pressure and oil release pressure
 - Air pressure
 - Pre-lubricating cycle
- Timer for matching cycle time to oil viscosity and spindle data
- Lubricating point connections for PVC tubing, O.D. 6 mm
- Operating voltage 110 to 250 V AC, 50/60 Hz
- Air supply G 1/4";
p_{min} = 5 bar, p_{max} = 10 bar
- Power supply and monitoring via connector
- Dimensions appr. 490 x 424 x 230 mm (W x H x D); Enclosure IP 54
- Color: RAL 7032 (grey); other colors on request

