

## Greasing the ATP 100 pump

The first lubrication required for the correct operation of ATP 100 is performed in the factory. Subsequent lubrications should be performed according to the procedure below.

**Only use the ALCATEL grease contained in the lubrication syringe.**

 **Components**  **F 80**



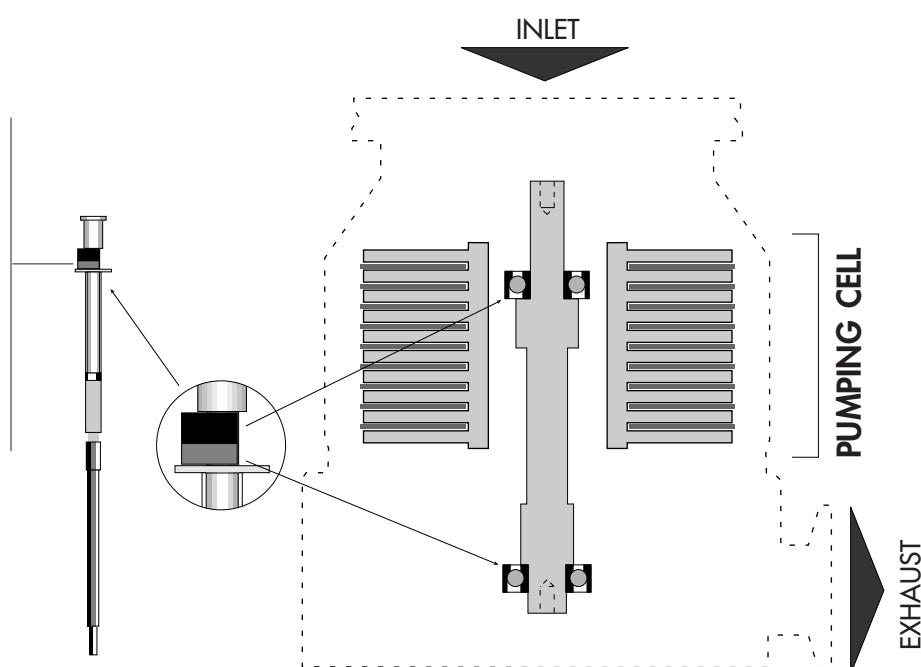
**Avoid introducing foreign matter into the pump during these operations. Lubrication must be performed with the pump switched off.**

### Use of the lubrication syringe

The ATP 100 contains two bearings which must both be reloaded with grease at each relubrication period. The syringe is equipped with two jumpers with different widths and colours (red and black) **used to proportion the grease accurately for each pump bearing.**

Lubrication of bearing on the pumping cell side:  
**black jumper.**

Lubrication of bearing opposite the pumping cell side:  
**red jumper.**

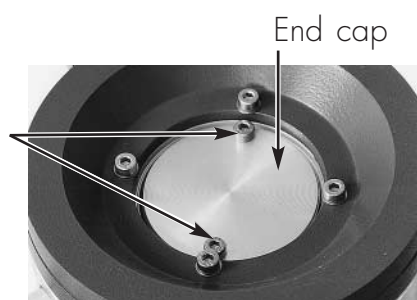


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Disconnect the pump from the installation.

### Bearing lubrication

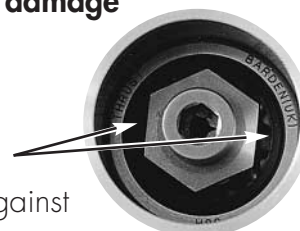
**3** Remove the end cap by removing the two attachment screws. Remove the compression spring and the adjustment sleeve **(asymmetrical part, mark the direction for assembly).**



### Bearing opposite the pumping cell

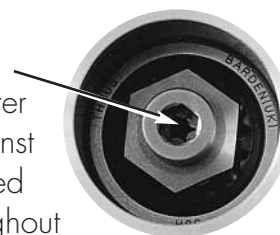
Introduce the syringe equipped with its needle into the bearing and remove the red jumper.  
**!** **Always position the syringe needle between two balls of the bearing so as not to damage the bearing.**

Distribute the dose of grease in 2 diametrically opposed points, until the syringe plunger comes to a stop against the black jumper.



### Bearing on pumping cell side

Introduce the lubrication syringe needle into the drilled screw located at the center of the rotor until it comes to a stop against the screw head. Keep the syringe pressed down to the bottom of its housing throughout the operation.



Remove the black jumper from the syringe and introduce the grease until the plunger comes to a stop.

Remove the syringe.

**3** Reassemble the adjustment sleeve (taking care with the direction), the spring and the end cap with its o-ring.

The relubrication operation is complete.

Execute the pump running-in: see *page 3/3*.

## Greasing the ATP 100 pump

### Running in the pump after relubrication

After relubricating the ATP 100, the grease must be distributed in the bearings ("Running in")

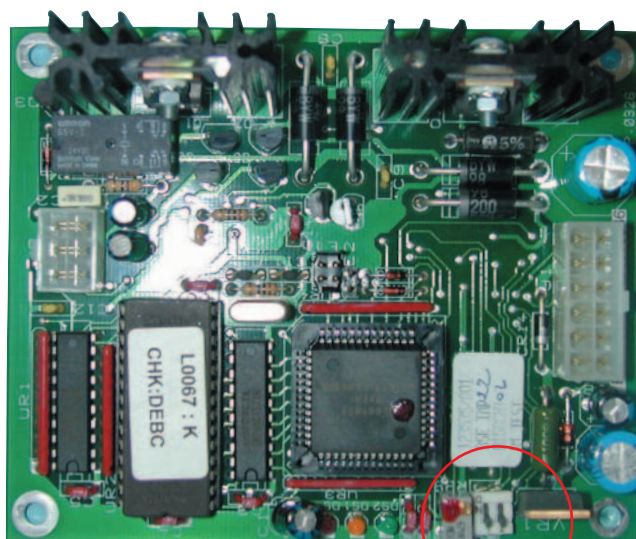
This is performed by limiting the speed of the pump for a short period.

For this, on the P0326 converter board, set the running in switches; switch 1 to ON (detector off).

Start up the detector and let it operate for approximately 10 minutes in this position.

After 10 minutes, **switch off the detector** and reset switch 1 to OFF.

Start the detector up again and check that the ATP 100 reaches its synchronization speed correctly. If this time is too long, repeat the running in procedure a second time.



P0326 board

