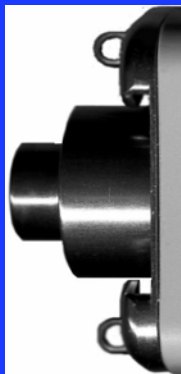


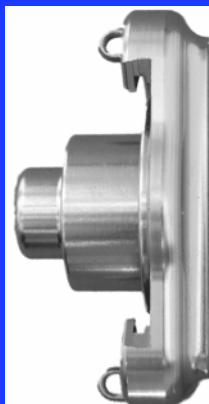
# Crono Syringes

## Filling and Loading Procedures

All Crono pumps use the same dedicated syringe designs available in the following sizes: **10mL, 20mL, 30mL and 50mL** . The general procedures for filling and loading are similar across the pump range.



Crono & Crono SC (10/20mL)  
Crono - 30 & S-PID 30 (30mL)  
Crono Super PID (20mL)

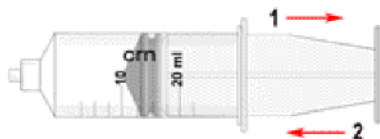


Crono S-PID 50 (50mL)

### Preparing the syringe



Begin by unscrewing the piston rod half a turn and then back again before moving the plunger. This will make it easier to remove the piston rod after the syringe has been filled.



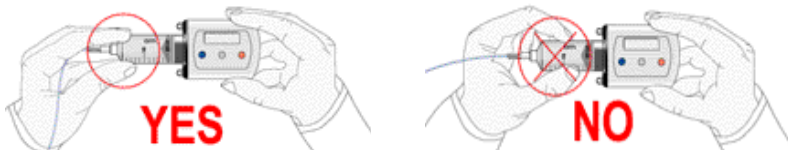
Slide the plunger twice along the syringe to spread the lubricant along the walls.

## Filling the syringe

- Draw up the drug slowly using the needle provided or suitable alternative.
- Prior to fitting to the pump the syringe must be filled exactly to the prescribed volume. If additional volume is drawn up to provide for priming the infusion line, this must be expelled before fitting the syringe to the pump.
- When you are ready to fit the syringe to the pump unscrew the piston rod with a fairly swift movement.

## Connecting the syringe onto the pump

Connect the infusion set (or the luer cap) to avoid any possible drug leakage during syringe connection onto the pump.



Hold the syringe at the top to avoid applying pressure to the syringe body walls whilst connecting it to the pump. During this process some drug leakage may be seen to occur between the two raised rings on the side of the piston. This will not affect the pump operation or the accuracy of delivery.



Push the syringe onto the pump and then lock with a quarter turn until a click is felt. If the syringe is overfilled and the luer cap is fitted it may be difficult to fit the syringe to the pump. **It is important to ensure that, when fitted, the syringe piston is tight up against the pump plunger with no visible gap.**