

Using the KDS210 Syringe Pump

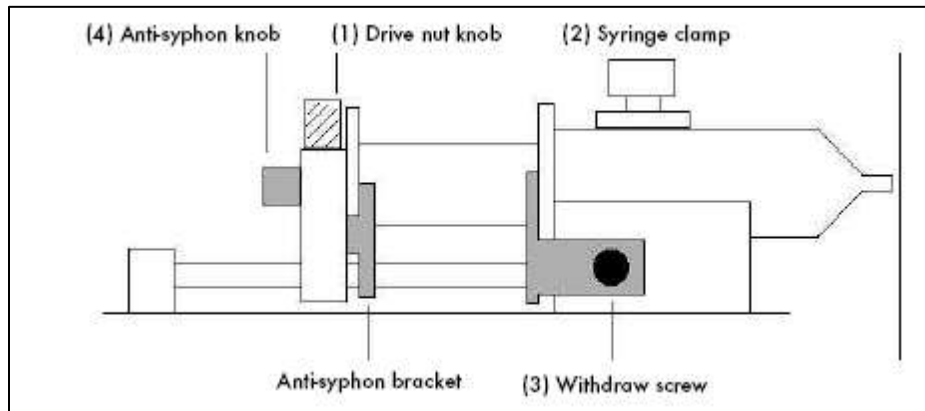


Figure 1: Side View Syringe Pump

KEYPAD	
← →	These keys move the displayed menu left and right respectively.
select	Used to select the highlighted menu feature (flashing).
enter	The numerical parameters of the feature selected are set, then enter places all the settings in memory ready for operation. All settings are stored in non-volatile memory and will be used next time the pump is operated.
0 - 9, .	Numerical and decimal entry keys.
run/stop	Starts and stops the motor. Acts as a pause during a dispense.

Figure 2: Keypad Functions

INSTRUCTIONS:

1. Turn on power switch. (Switch is on back right corner)
2. Fill syringes before loading onto pump.
3. Load syringes:
Lift the spring loaded retaining arm by pulling upwards on the knob. Rotate the retaining arm so that it is resting in between the 2 syringe holders. Place syringes in holders. Pull up on the retaining arm, rotate, and release so that syringes are held in place.
4. Slide the pusher block until it is firmly against the syringe plunger. The plunger should be fully extended.
5. Adjust rate setting to correspond to the value listed in the lab manual:
Use the arrow keys to find **rate**. Press **select** once menu says **rate** to change rate settings. Enter flow rate value using the numerical keypad. To change units of flow rate, use the right arrow key to scroll through the possible units. Once displayed settings are correct press **enter**.
6. Press **run/stop** when setup is ready.
7. Press **run/stop** to stop pump.