

Flow Reactor Tubing Insertion Instructions

Single Stream, Horizontal

1. Place the Flow Reactor on a stable, flat surface. Position the tubing over the outermost channel so that it extends beyond the surface of the Flow Reactor by a distance of 5.25".
2. Starting at the edge of the Flow Reactor, use the tamping tool to apply downward pressure to the tubing so that it seats into the channel.

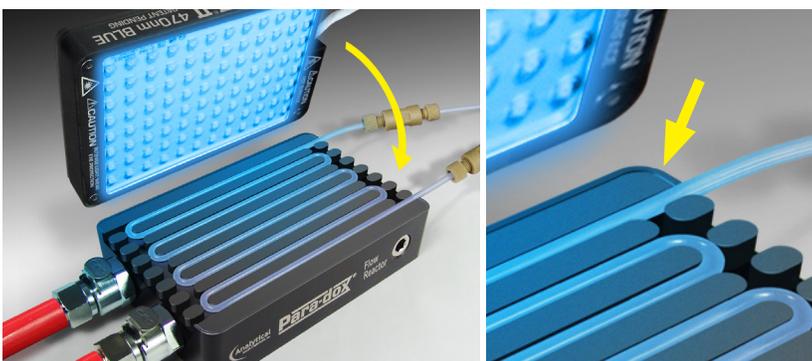
Tip: it may be helpful to use two hands with the tamp tool at first to get the tubing seated.

Continue to apply downward pressure while moving forward along the channel, making sure the tubing is flush with the surface of the Flow Reactor.

3. Using your fingers, position the tubing around the bend of the channel.
4. Use the tamping tool to seat the tubing into the bend.
5. Continue using the tamping tool to press the tubing into the channel and into and around each channel bend. Make sure the entire length of seated tubing is flush with the surface of the Flow Reactor.
6. Standard HPLC fittings can be used to join the tubing to a pump setup.

Multistream

You can use several different tubing flows in your Flow Reactor at the same time. Follow the instructions above when using horizontal inlets/outlets. When using the vertical inlets/outlets, see the back side of this sheet for instructions. You can combine multiple inlet/outlet setups.



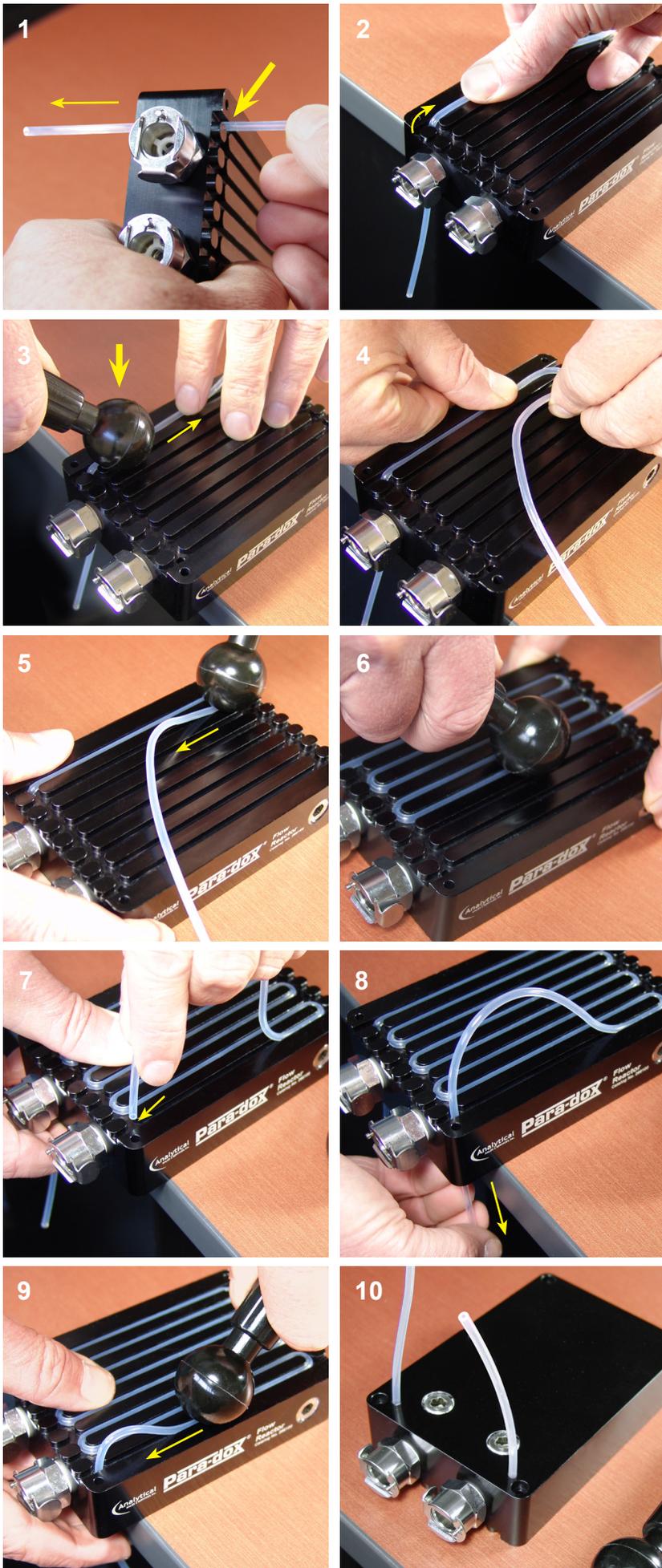
Positioning a LED Array on the Flow Reactor

The Flow Reactor has a very fine lip on the outer edge of the channeled surface. This lip helps "cradle" an LED array in place.



Flow Reactor Tubing Insertion Instructions

Single Stream, Vertical Inlet/Outlet



1. Start by inserting one end of the tubing into one of the vertical inlet/outlet holes. *Note: there are two inlet/outlet holes located within the two outermost channels. Do not use the corner holes.* Position the tubing so that it extends past the flat surface of the flow reactor by 5.25".
2. Place the Flow Reactor on a stable, flat bench or table so that the extended tubing is positioned off the edge of the bench. Bend the tubing into the channel with your finger or thumb.
3. Use the tamping tool to apply downward pressure to the tubing so that it seats into the channel. *Tip: it may be helpful to use two hands with the tamping tool at first to get the tubing seated.* Continue to apply downward pressure while moving forward along the channel, making sure tubing is flush with the surface of the Flow Reactor.
4. Using your fingers, position the tubing around the bend of the channel.
5. Use the tamping tool to seat the tubing into the bend.
6. Continue using the tamping tool to press the tubing into the channel and into and around each channel bend.
7. Before the last channel is completed, feed the free end of the tubing into the remaining inlet/outlet hole.
8. Pull the tubing through the hole.
9. Finish the last channel using the tamping tool. Make sure the entire length of seated tubing is flush with the surface of the Flow Reactor.
10. Standard HPLC fittings can be used to join the tubing to a pump setup.



Tamping Tool Tips

- Use the spherical end of the tamping tool to press tubing into channel.
- Keep the spherical end of the tamping tool down and follow the channel, using the upper opening of the channel as a guide to continue forcing the tubing into it.