

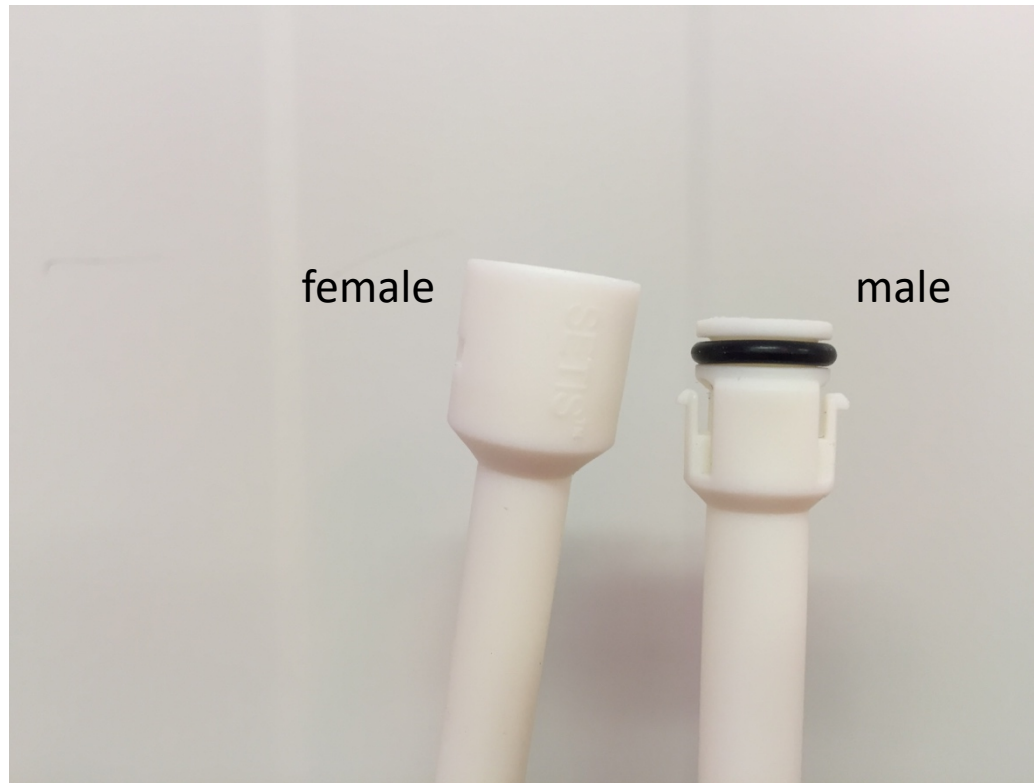
The SE-Tair line is the SETIS™ specific compressed air connector line to distribute air to each bioreactor.

The SE-Tair line is designed to be installed on the SETIS™ racks, but clients can also use it to adapt other rack setups.

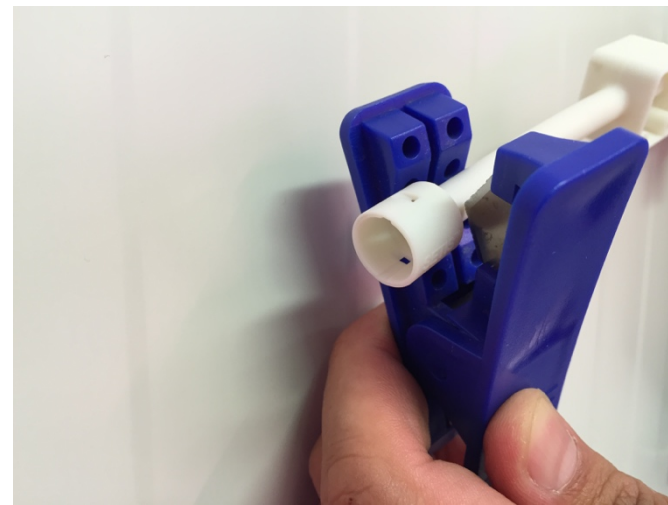
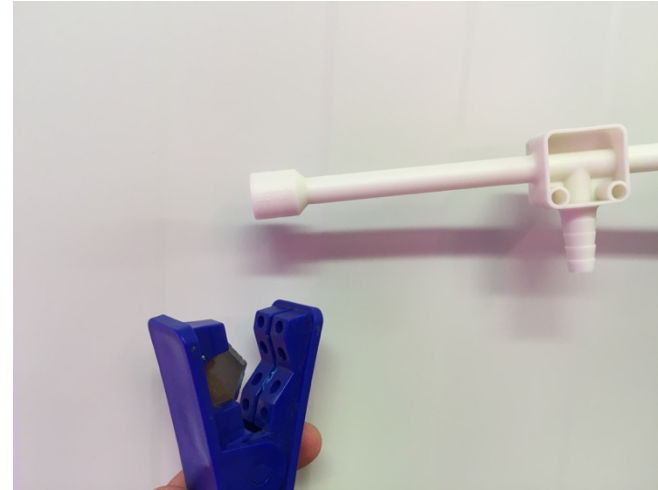
Materials included in the SE-Tair line (for 8 bioreactors, SE-Tair8)

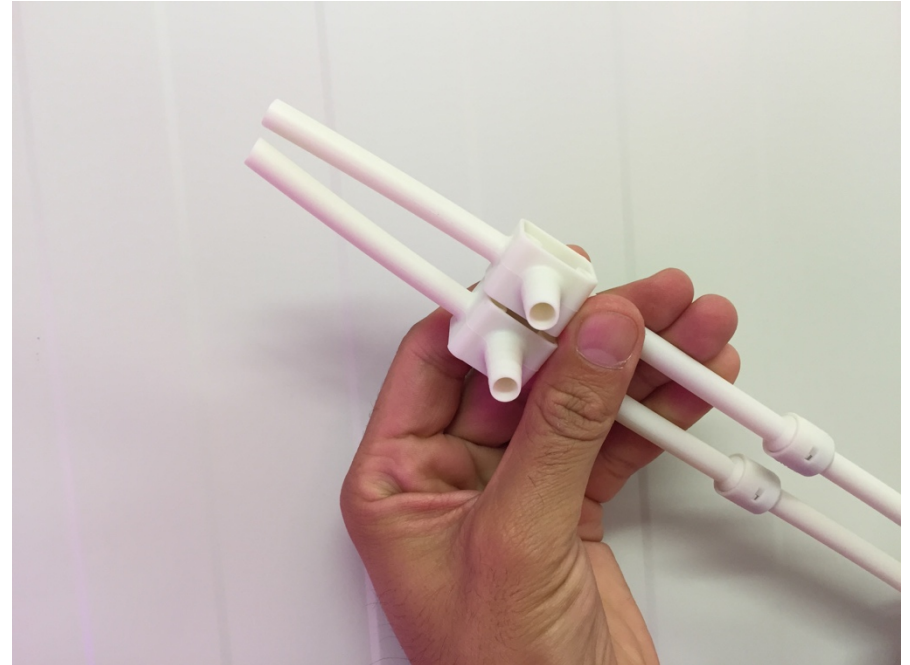
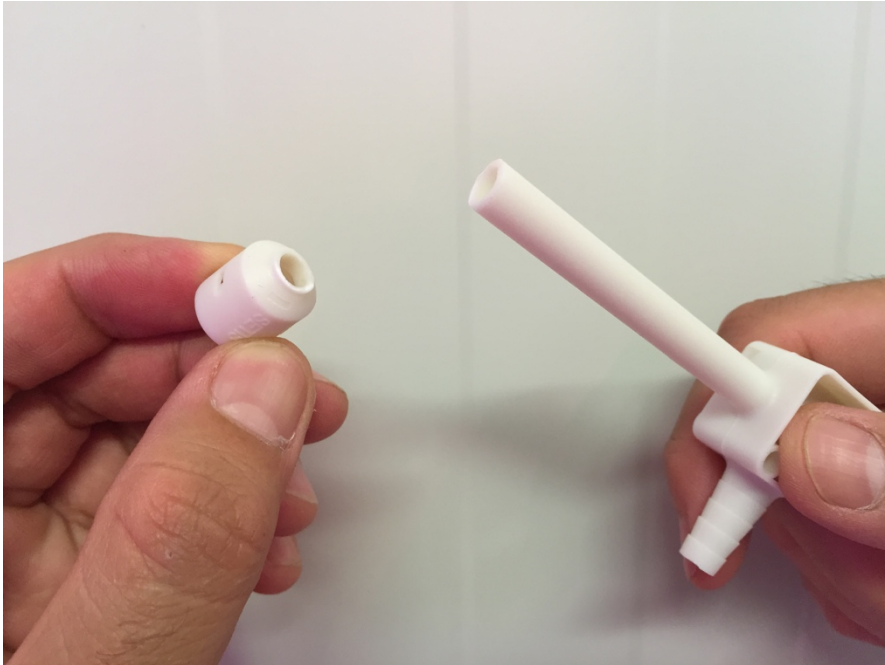
- Tair connectors (SE-Tair) 16 pieces
- Push-in hand valves (SE-HV) 2 pieces
- Push-in 'T' (SE-TpIN) 2 pieces
- Silicone caps (SE-RCP) 2 pieces
- Self-drilling screws (SE-SW) 10 pieces
- Silicone tube (SE-ST6) 5 meters

Each Tair connector has a female and a male end.

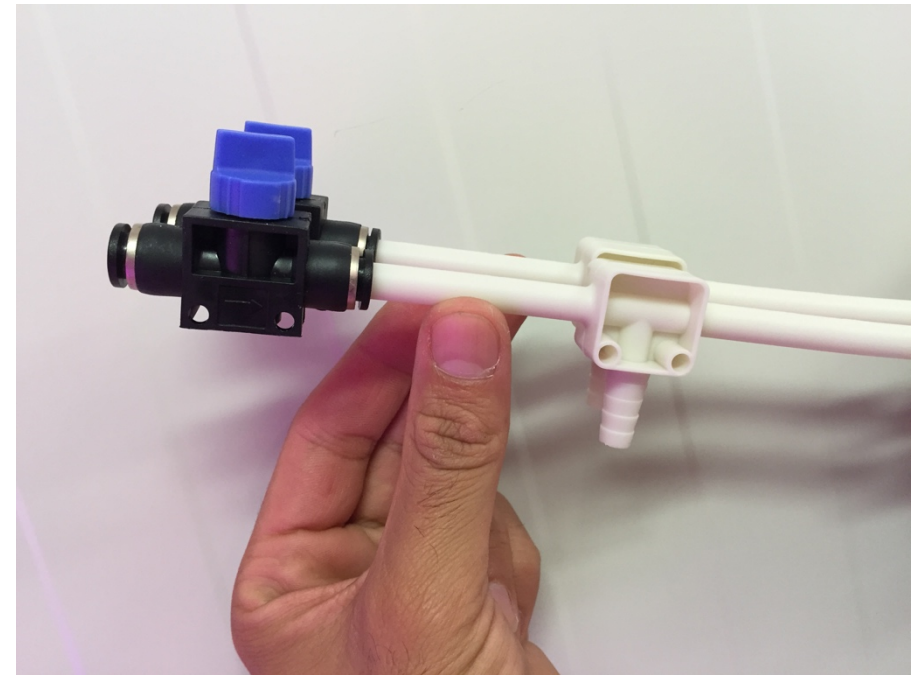
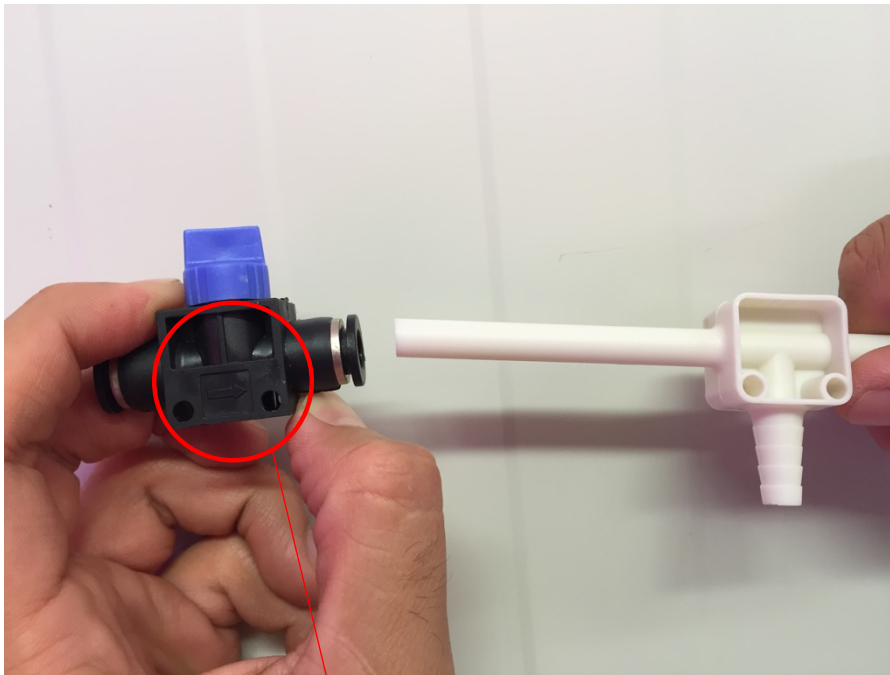


Take two Tair connectors and cut the female end in a straight line, as shown in the pictures.



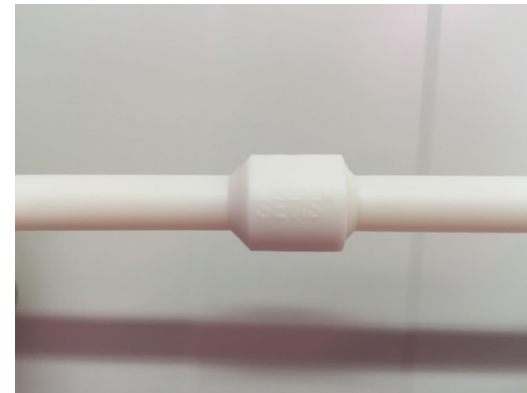
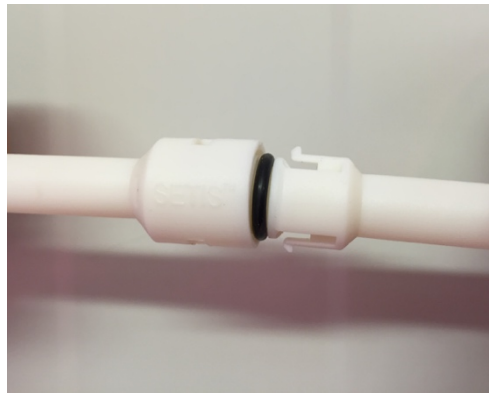


Connect the two Push-in hand valves to the cut end of the Tair connectors. Respect the 'ARROW' indicating the flow direction of the hand valve.

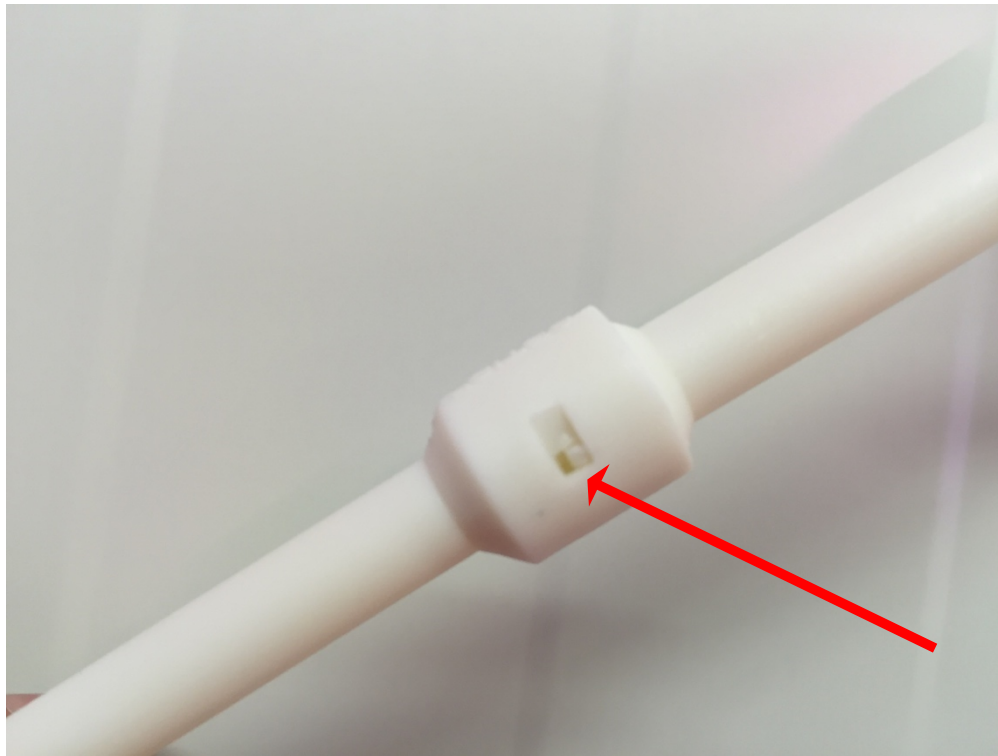


➔ Arrow in this direction

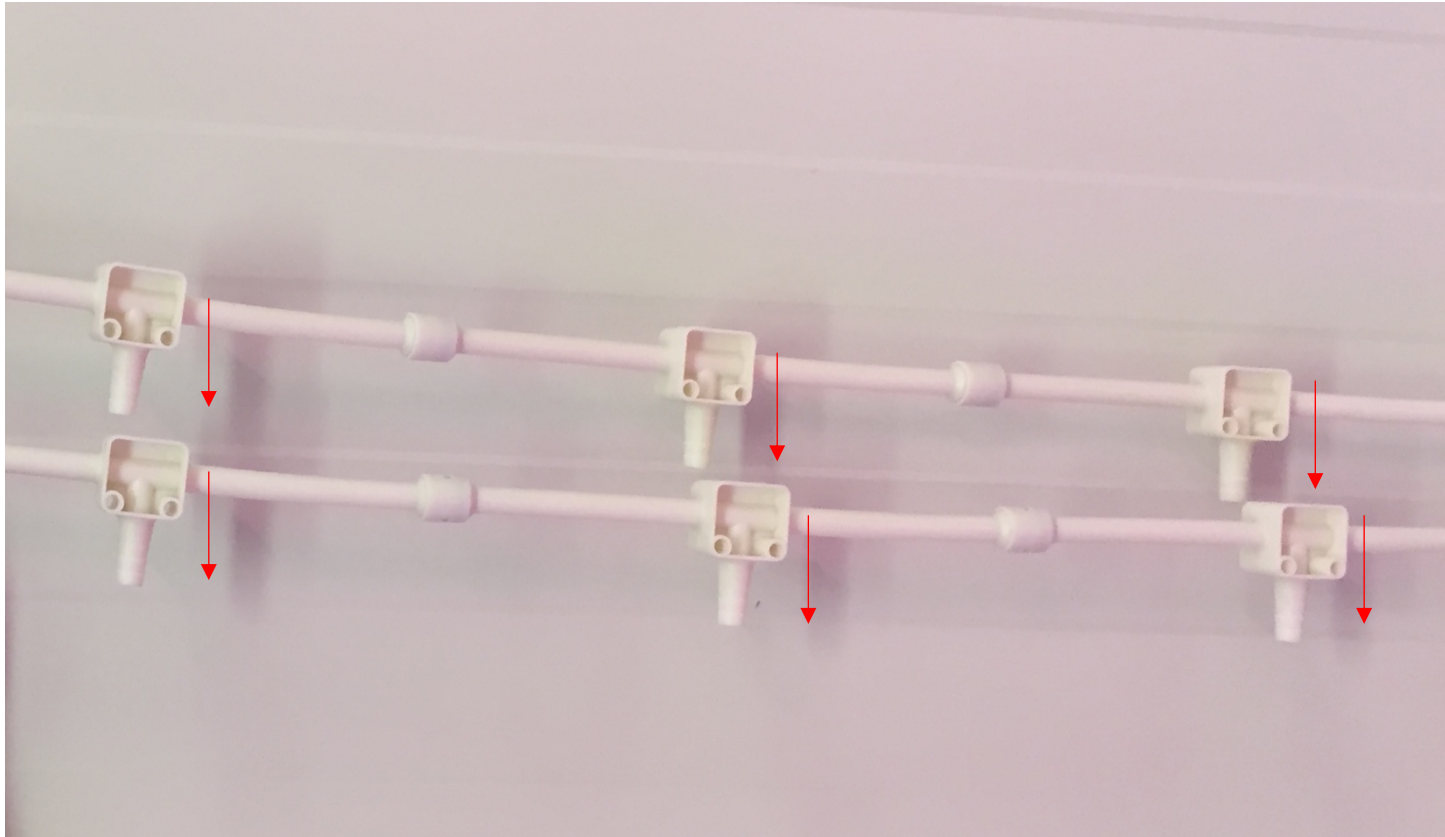
Connect 8 Tair connectors to each other, according to the female-male join. Take notice of the sliding cavities inside the female end to position the male end.



Push hard until the pins of the male end click and lock in the opening of the female end. DO NOT twist the connectors during pushing!!!! This can damage the connectors.



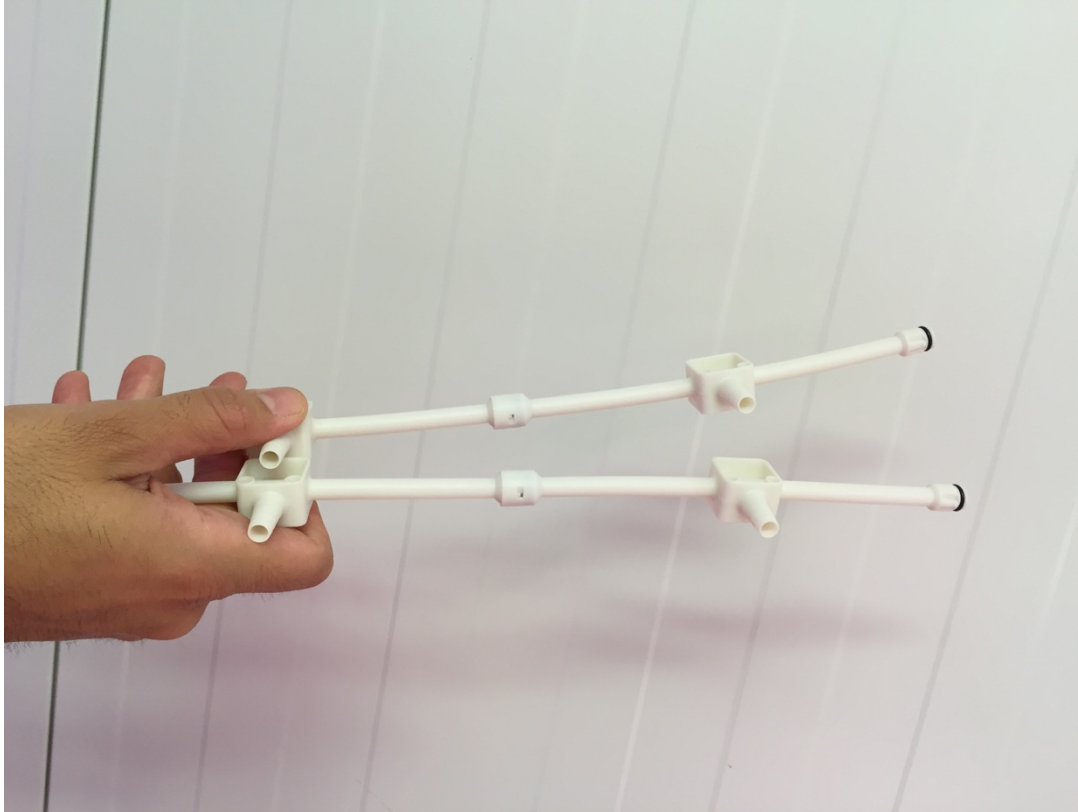
IMPORTANT: Connect all Tair connectors in the same orientation !!!!



After joining all Tair connections, you have two lines of 8 connectors each, as shown in the picture below.



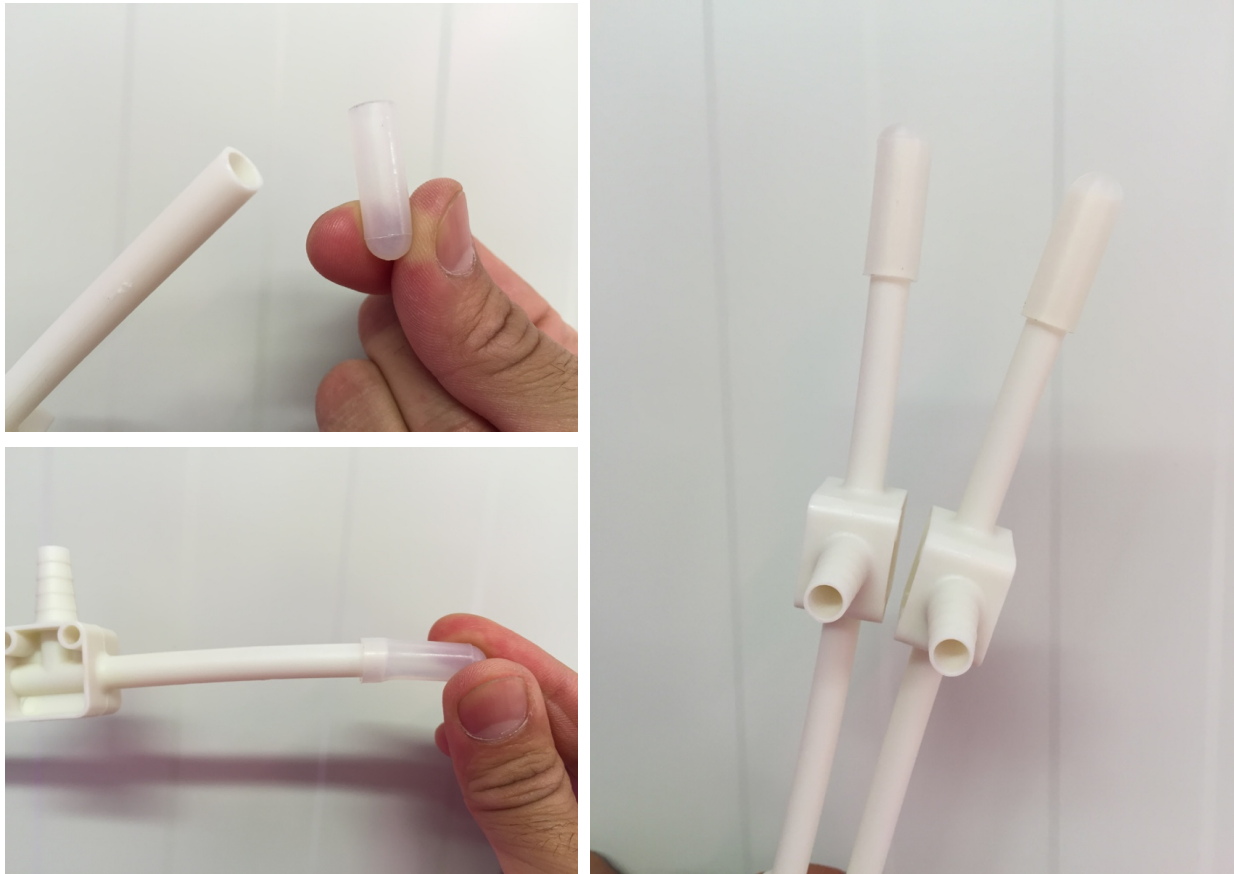
At the opposite end of the lines, you have male connectors.



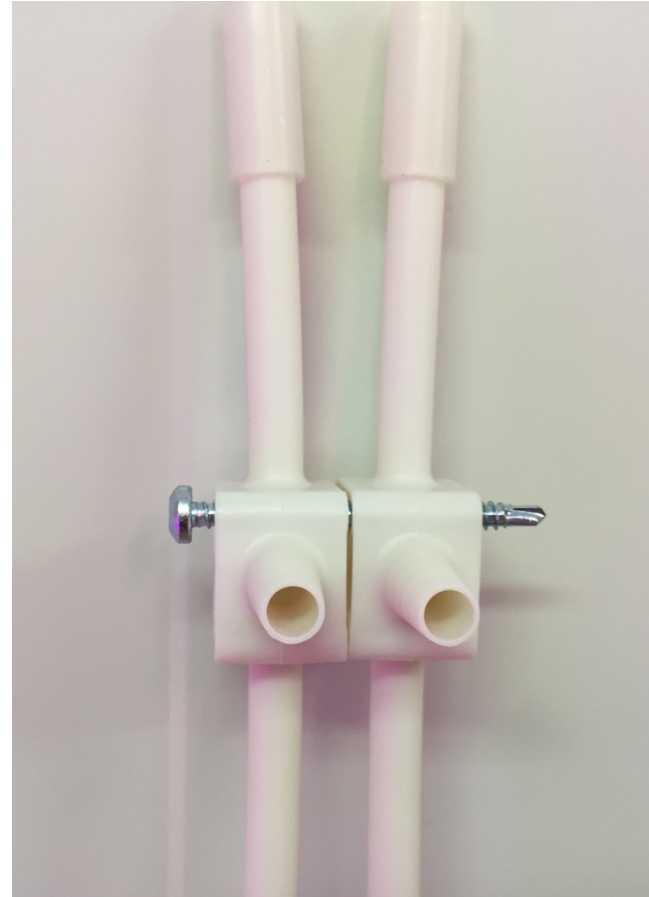
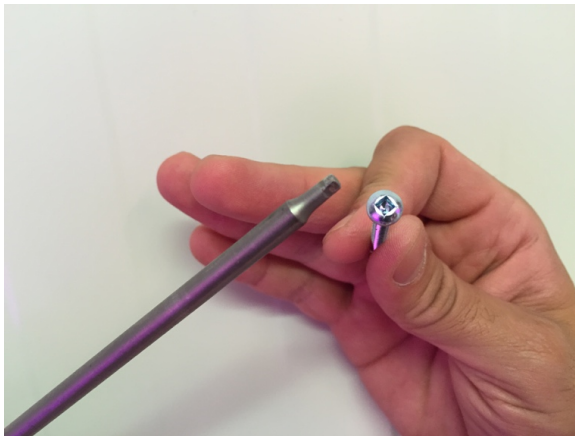
These ends need to be cut as well, as shown in the pictures below.



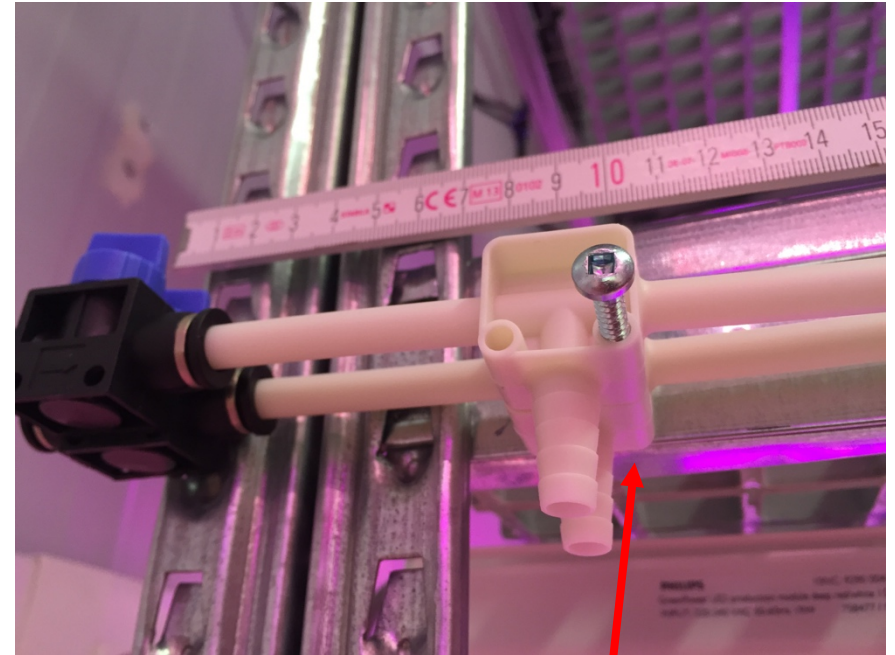
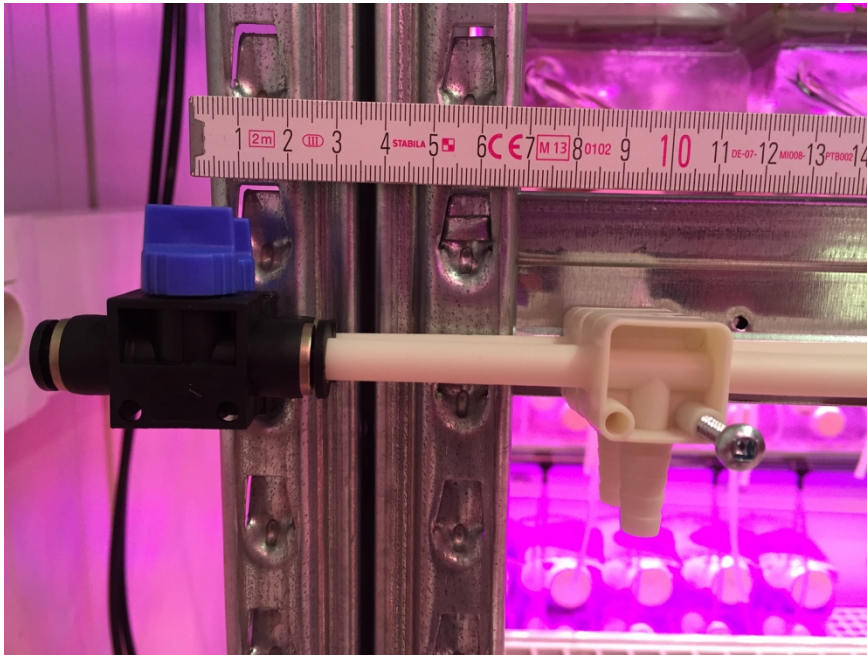
Put the silicone caps on these ends.



Use self-drilling screws to fix the Tair lines to the SETIS™ racks. Connectors are fixed by two, in the same orientation.



Fix the Tair line from left to right on the horizontal metal bar of the rack. Position the second screw of the first connector at 10 cm from the edge of the rack beam.

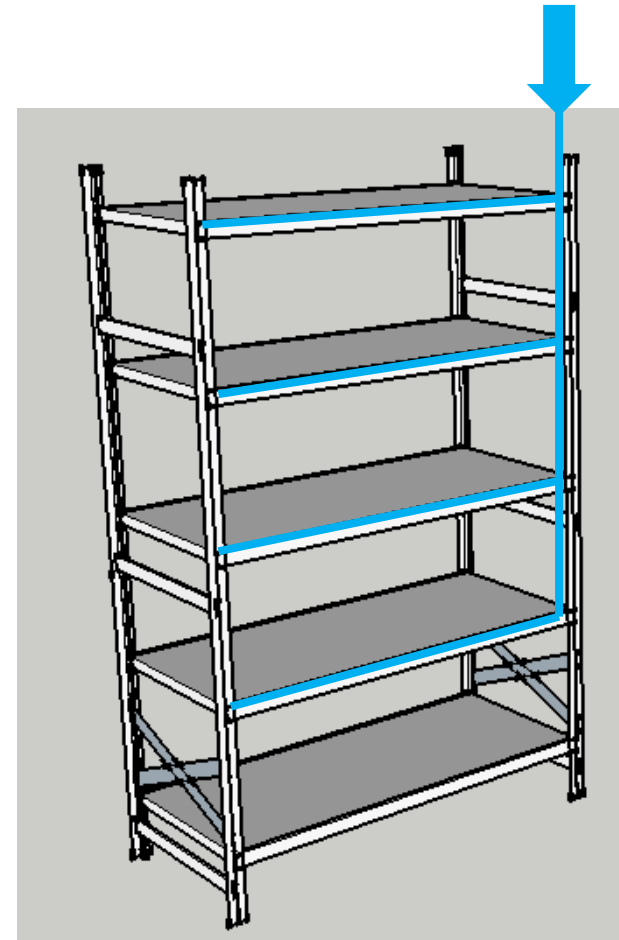
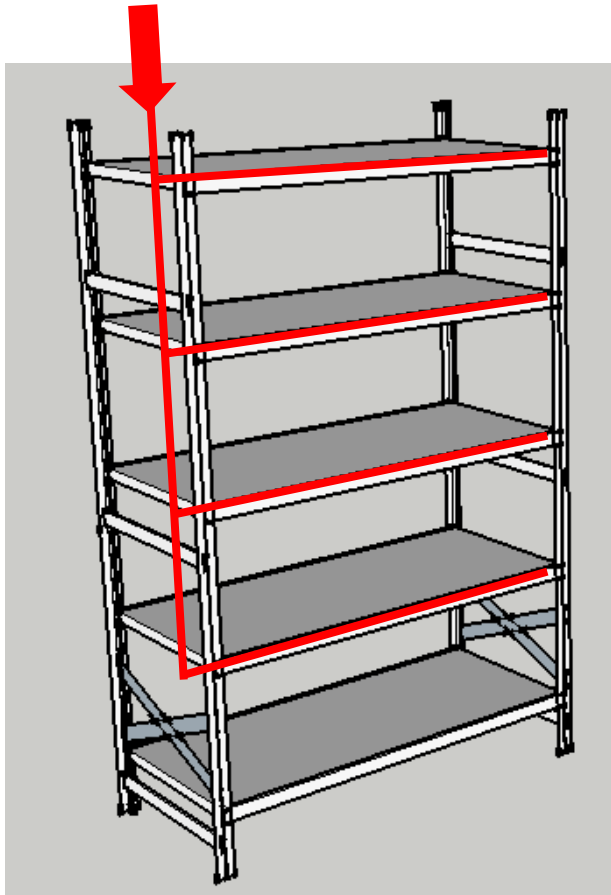


Align this bottom side of the connector to the edge of the metal bar

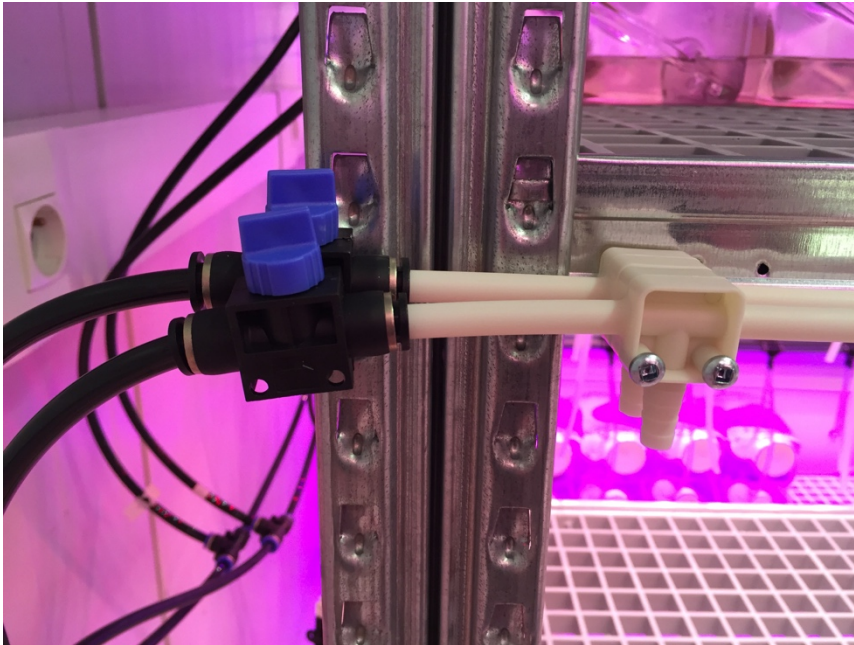
Consecutively fix all the other connectors. One screw per connector is enough, only the terminal connectors require two screws.



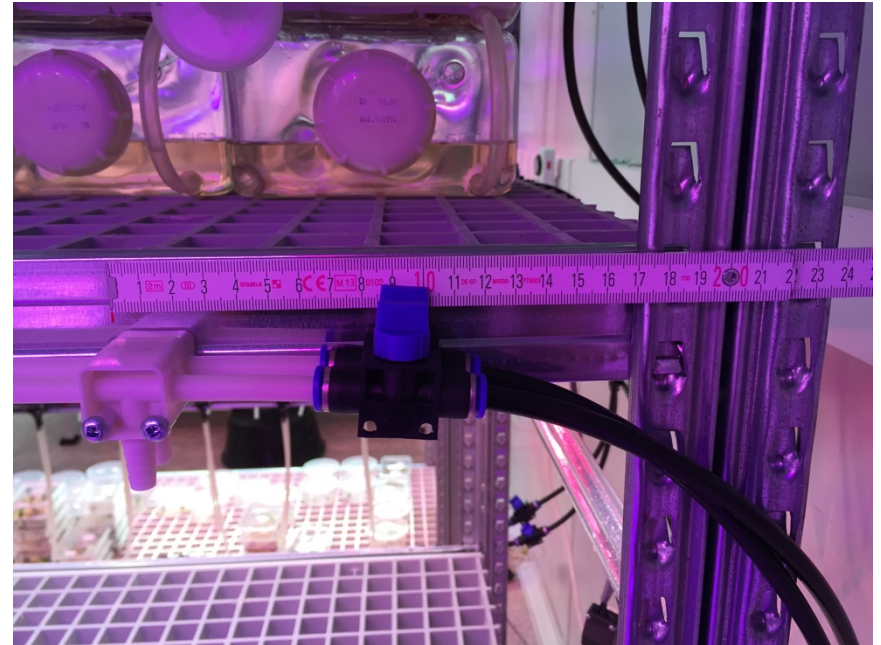
Compressed air can be supplied from both sides of the rack for further distribution through the Tair lines.



Switch the push-in hand valves and the silicone caps of the terminals according to the position of the compressed air entrance.



Air coming from left side
Second screw at 10 cm from edge of rack



Air coming from right side
Second screw at 24 cm from edge of rack

Cut the silicone tube at the required length to join the bioreactor filters to the Tair connectors. Place an assembled bioreactor on the shelf to measure the required length of the silicone tube for each Tair connector. The outer connector (longer tube) is connected to the Media vessel, the inner connector (shorter tube) is connected to Culture Vessel.

