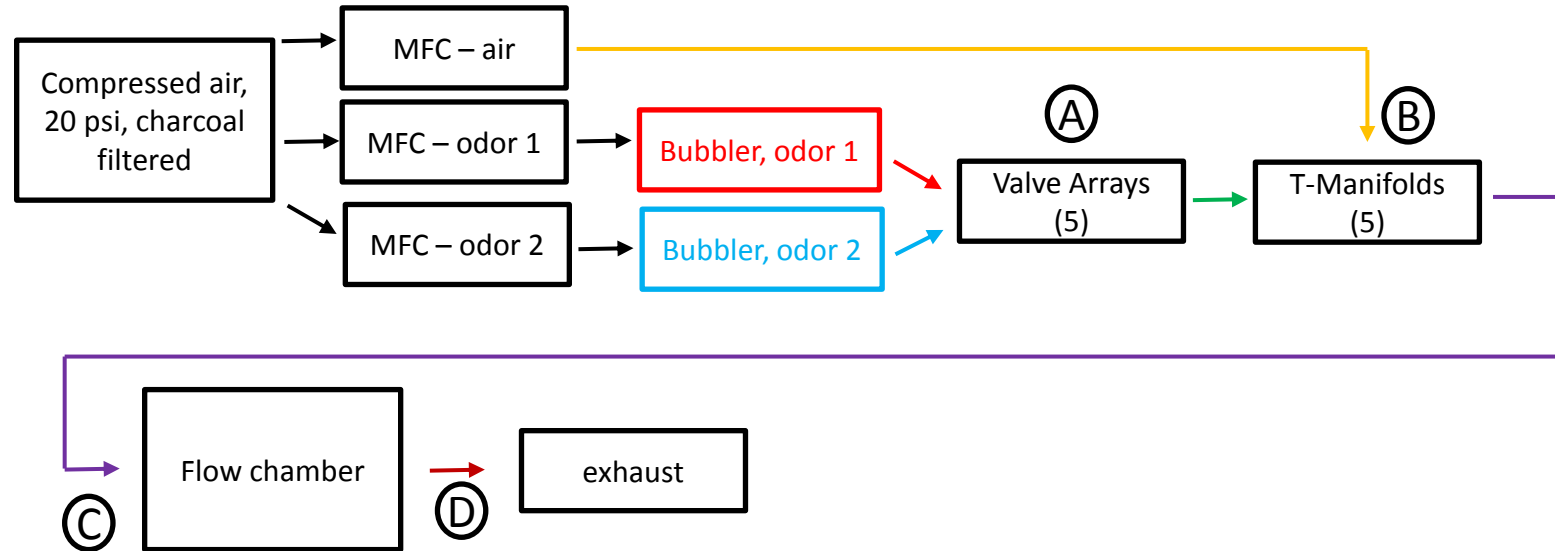


## LADY GAGA V2 Basic flow scheme

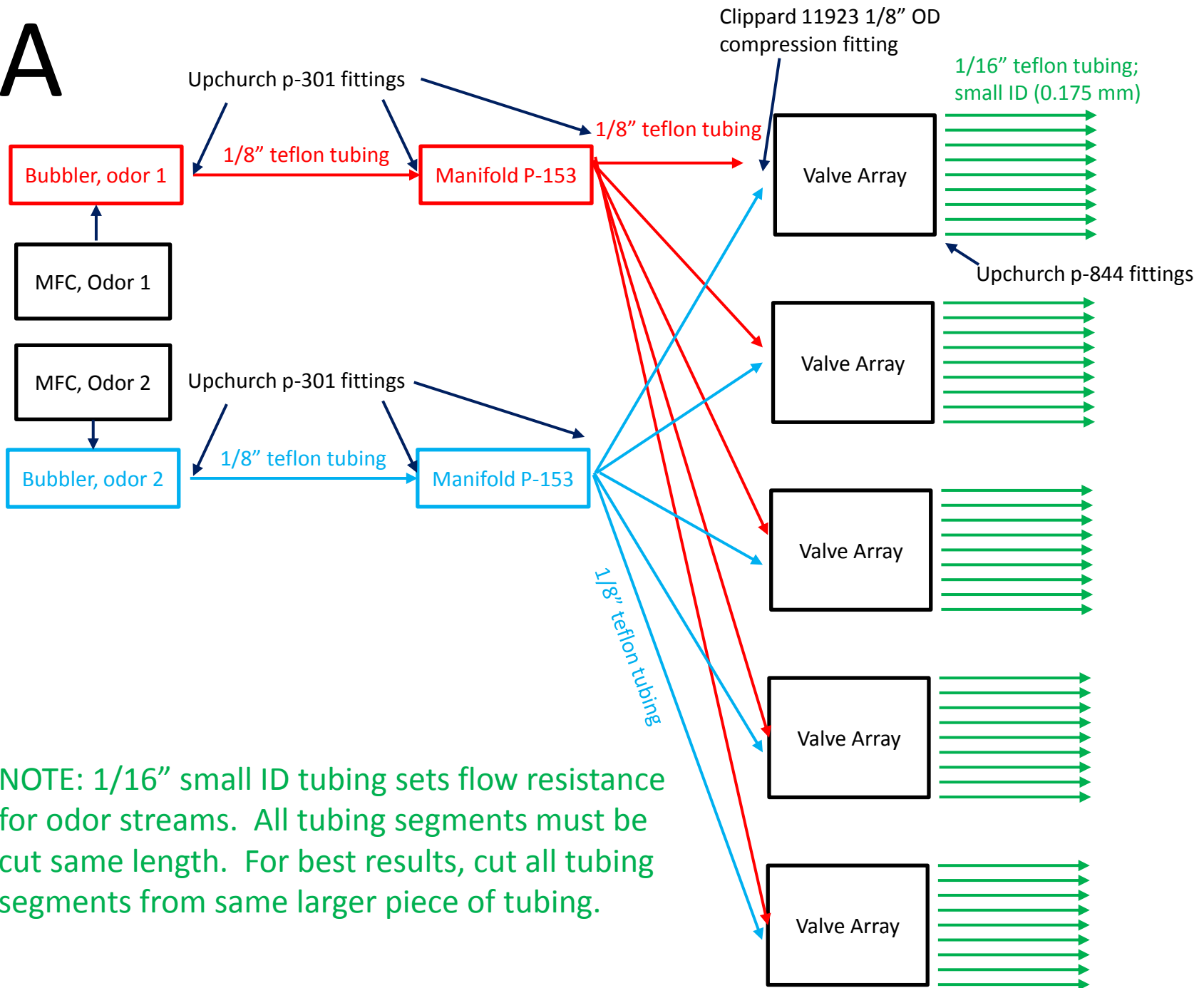
arrow indicates air flows between components in indicated direction.

Letters indicate details follow on subsequent pages.



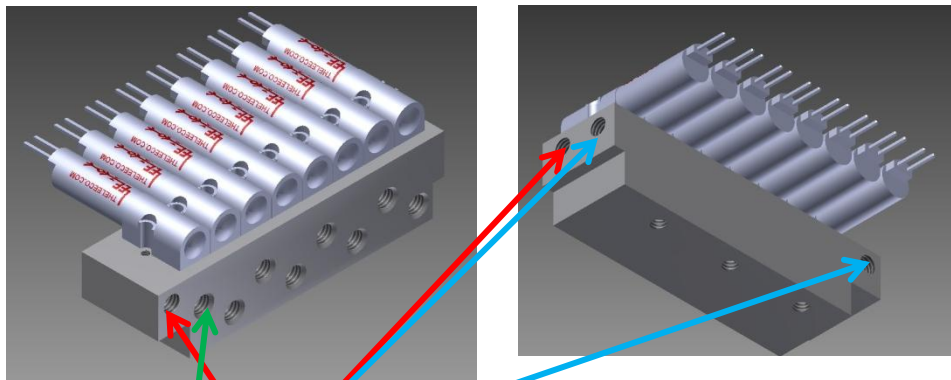
Note: all clippard fittings require that the buna-n gasket (default) be replaced by epdm

# A



# A

## Manifold with valves



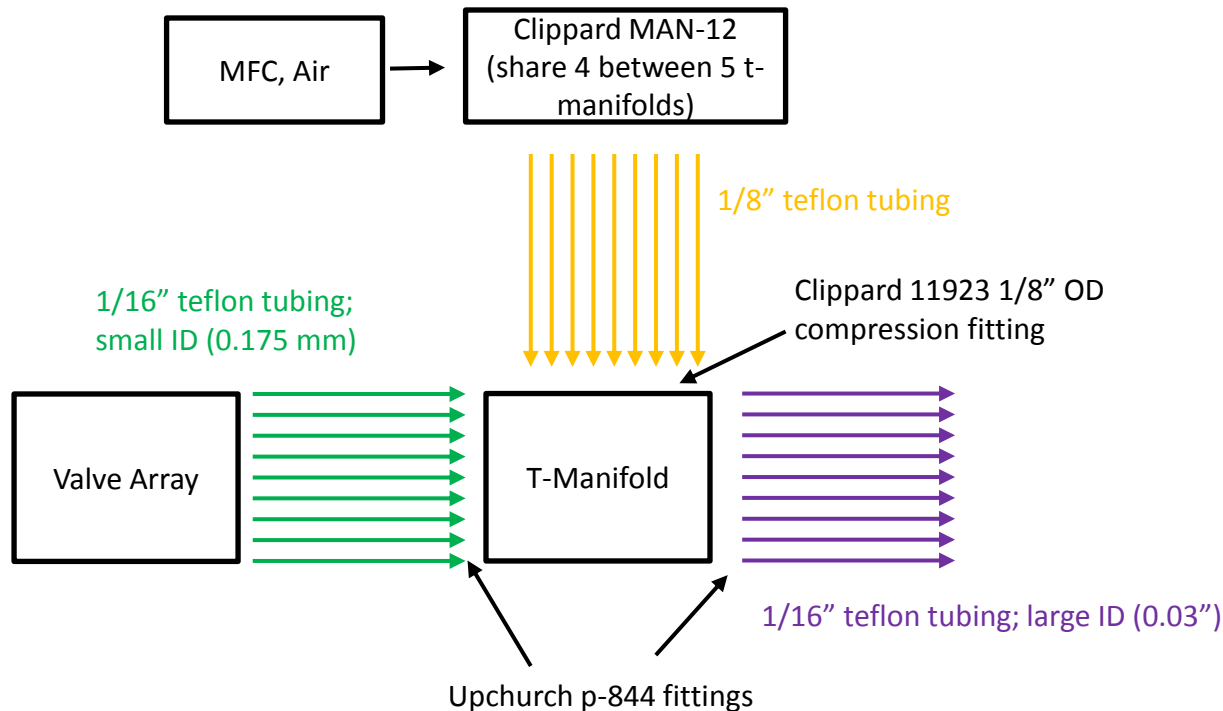
Odor 1 (NO) inlet, Odor 2 (NC) inlet: connect with clippard 10-32 to 1/8" compression fitting and 1/8" OD teflon tubing or seal with clippard 10-32 plug

Valve common (outlet), 8X: connect with upchurch 10-32 flat bottom vacutight fitting to 1/16" OD, 175 um ID

To distribute odor to 5 valve manifolds, use upchurch p-153, 6-port manifold for 1/8" OD tubing

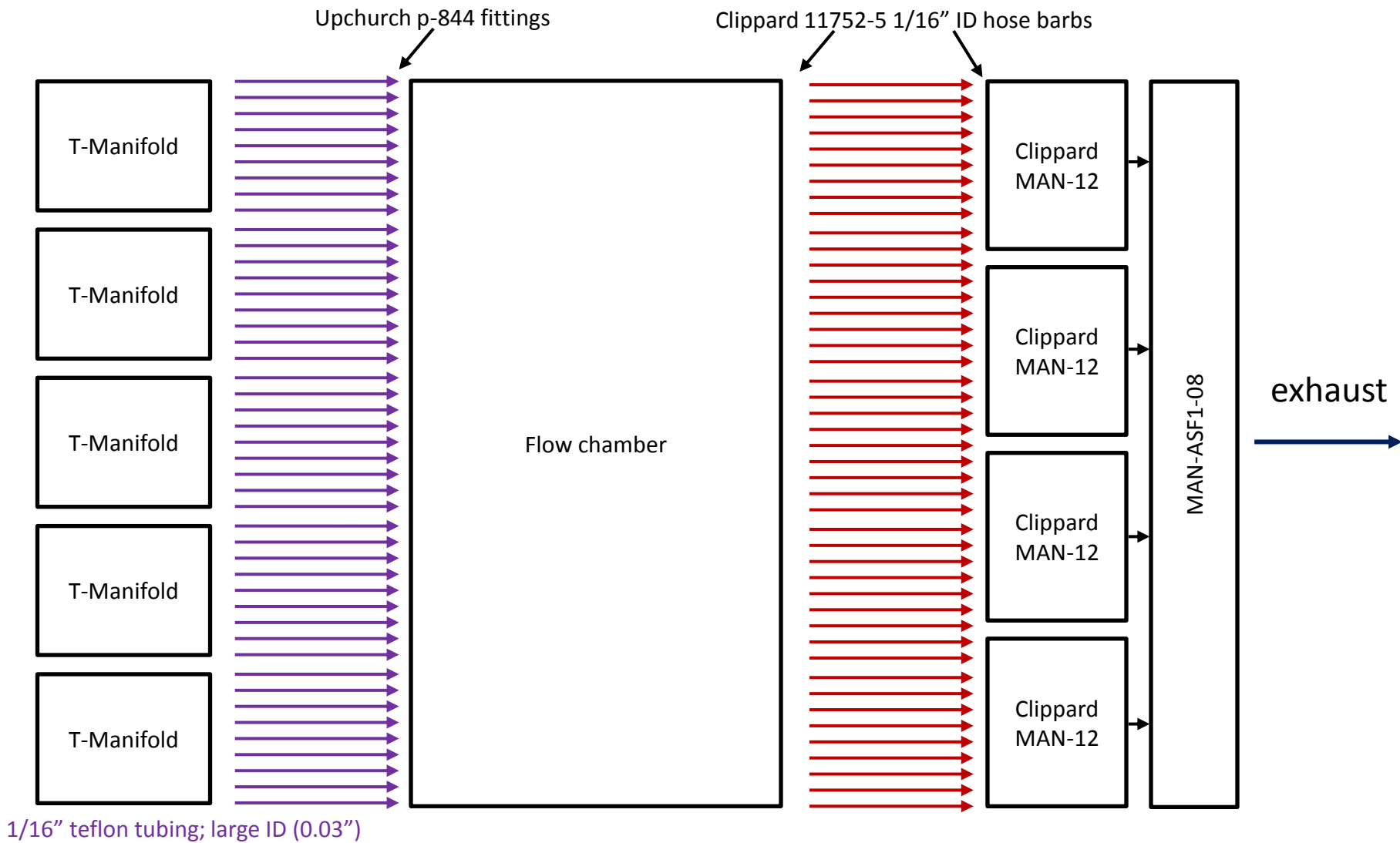
# B

# 5X

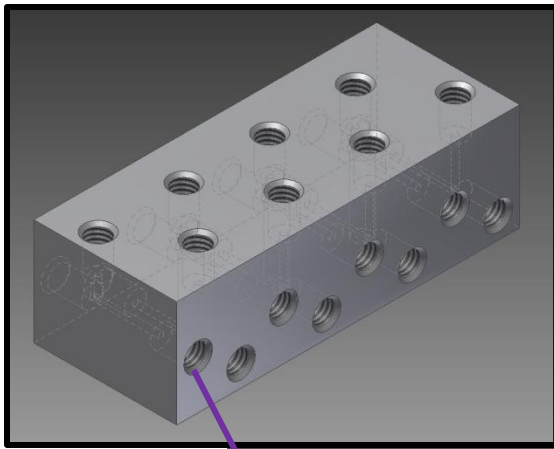


NOTE: 1/16" large ID tubing sets flow resistance for air streams. All tubing segments must be cut same length. For best results, cut all tubing segments from same larger piece of tubing.



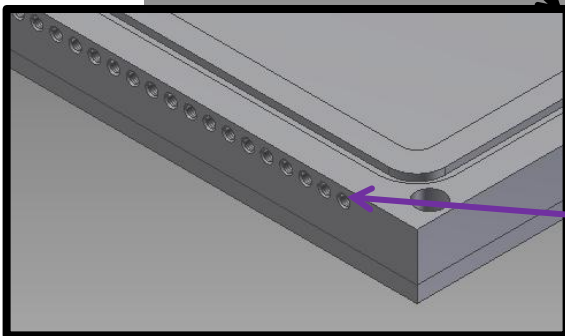
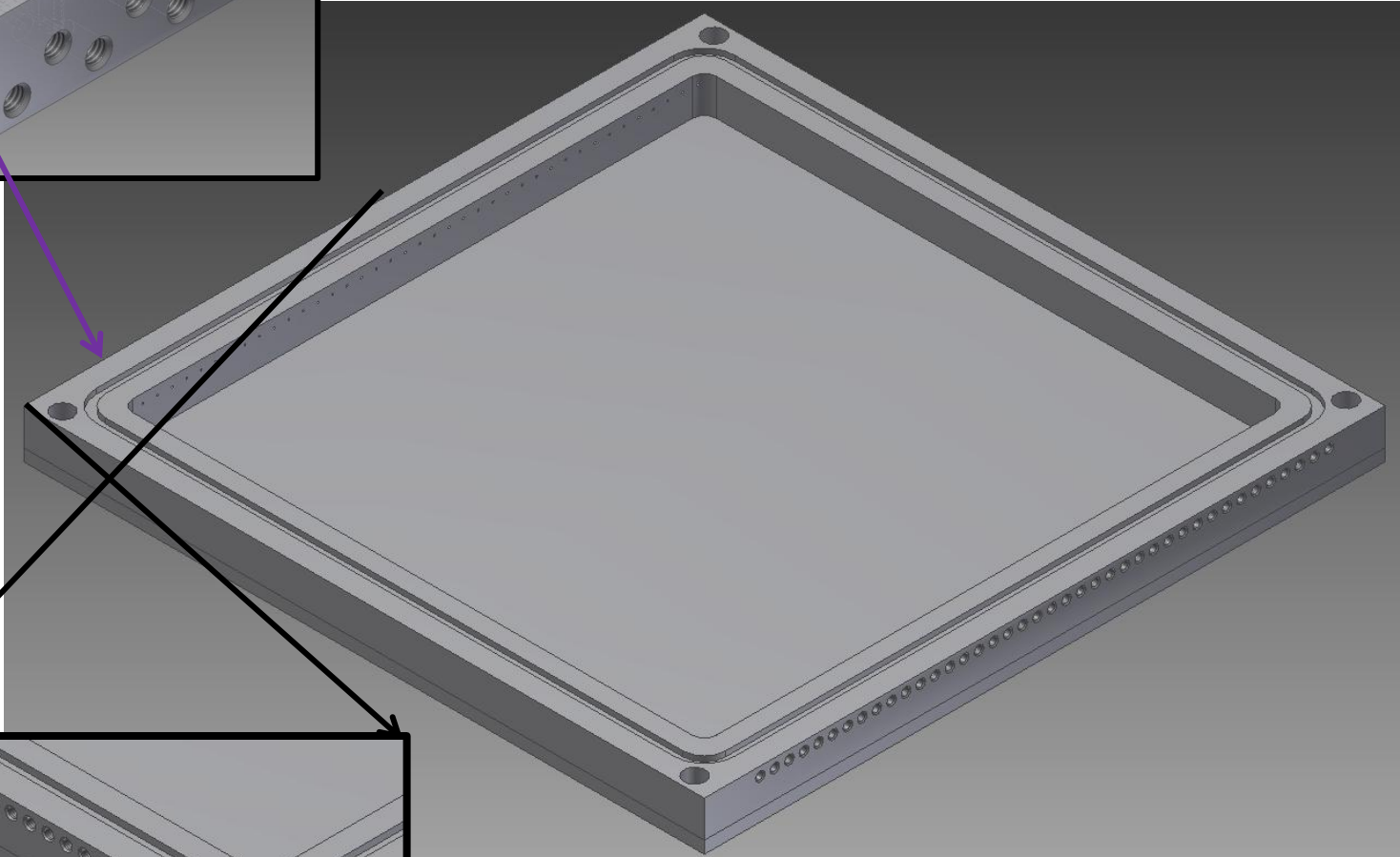


C,D



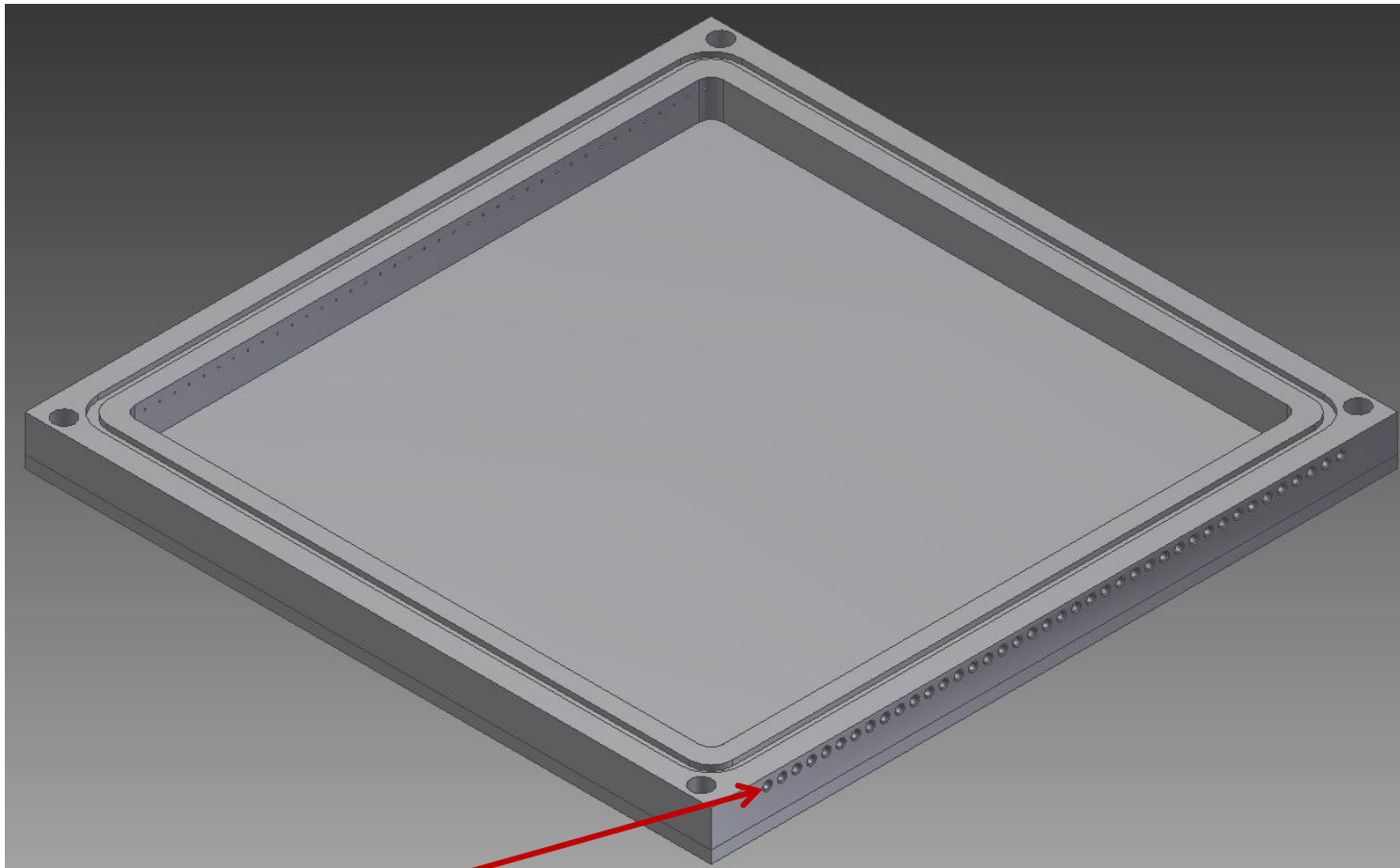
Odorized air flows from t-manifold to flow chamber through 1/16" OD 0.03" ID teflon tubing (connect with 10-32 vacutight fittings, both ends)

C



Connect with 10-32 vacutight fittings (40 places)

D



**Flow chamber outlet:** connect with clippard 10-32 to 1/16" ID hose barbs to 1/8" OD, 1/16" ID fep lined tygon tubing (40 x). Connect other end to clippard MAN-12 using clippard barbs. Connect all MAN-12s to MAN-ASF1-08 (use NPT plugs to fill empty connections). connect MAN-ASF1-08 to tubing (this is the outlet, which should run through a flow meter and then into whatever venting system you decide to use)



## Alternate connection scheme for multiple independent valve arrays

