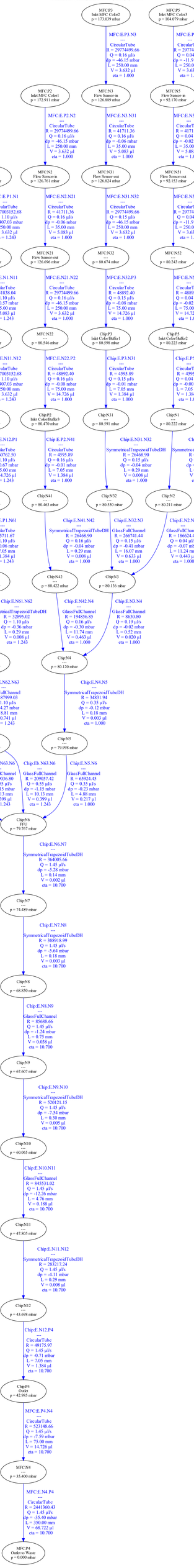mfnKirchhoffNetworkSolver