

Task 1: No results required

Task 2:

Figure 1: ANSYS CFD-Post displaying velocity contours for both geometries.
(Right: Small inlet diameter of 0.5 [in], Left: Small inlet diameter of 1.0 [in])

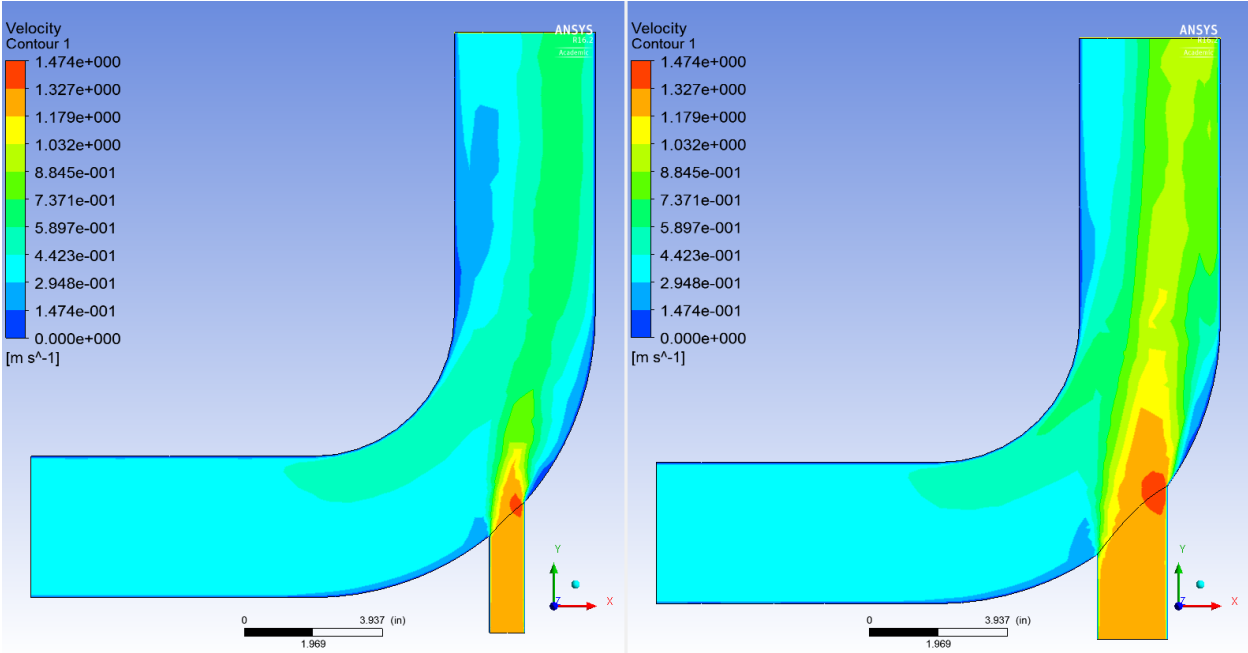
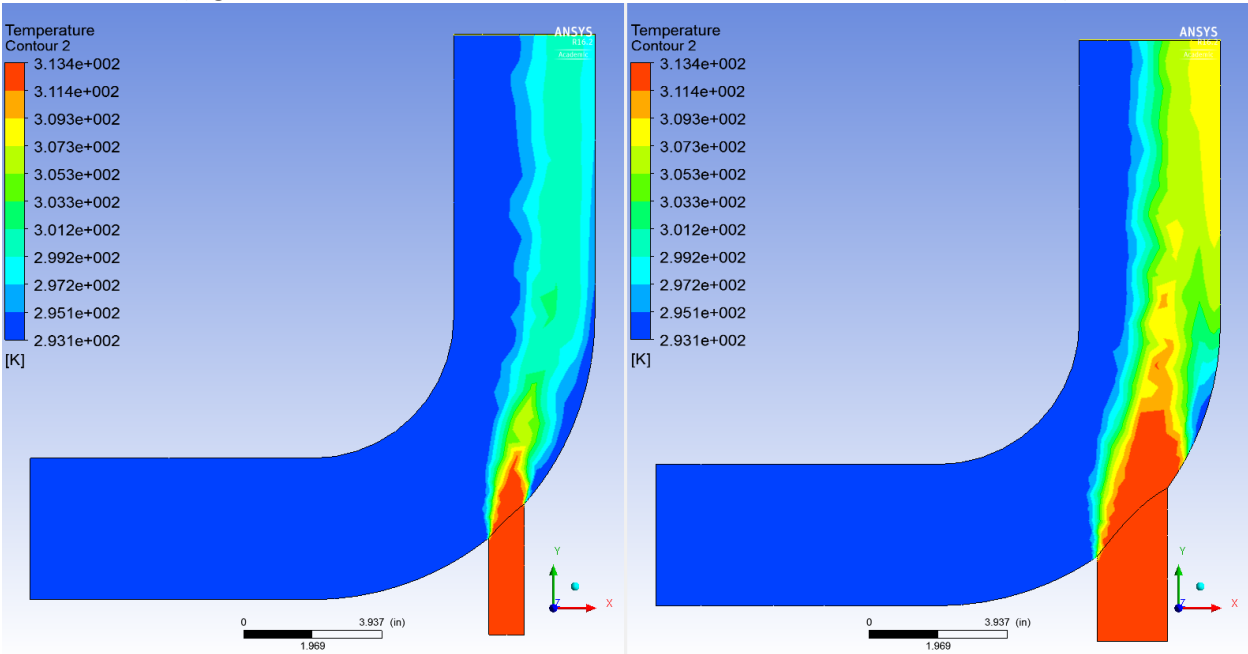


Figure 2: ANSYS CFD-Post displaying temperature contours for both geometries.
(Right: Small inlet diameter of 0.5 [in], Left: Small inlet diameter of 1.0 [in])



Task 3:

Figure 3: ANSYS CFD-Post displaying line AB velocity contours for both geometries.
(Blue: Small inlet diameter of 0.5 [in], Red: Small inlet diameter of 1.0 [in])

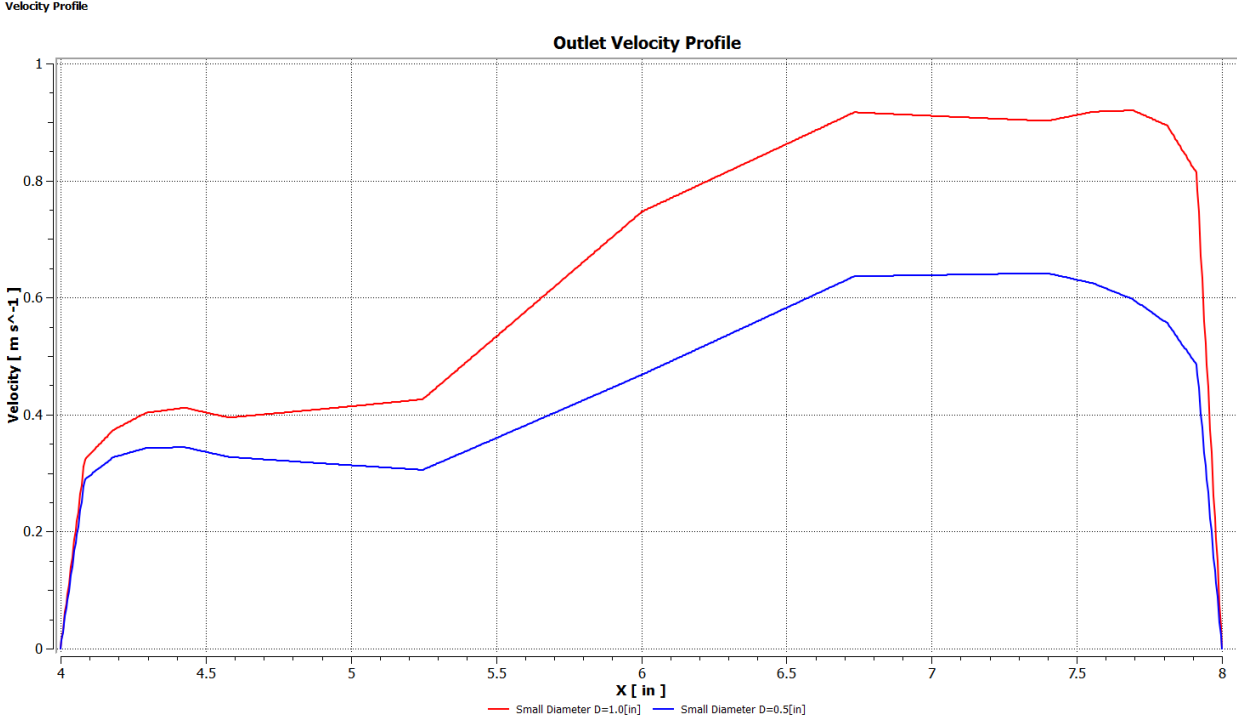


Figure 4: ANSYS CFD-Post displaying line AB temperature contours for both geometries.
(Blue: Small inlet diameter of 0.5 [in], Red: Small inlet diameter of 1.0 [in])

