

Diesel Engine Combustion Chambers

Compare Diesel engine piston types with different bowl geometries given in the figure below, for the production of swirl and squish effects.

Discuss near-TDC turbulence structure for those bowl types. Comment on the effects on mixture formation and combustion.

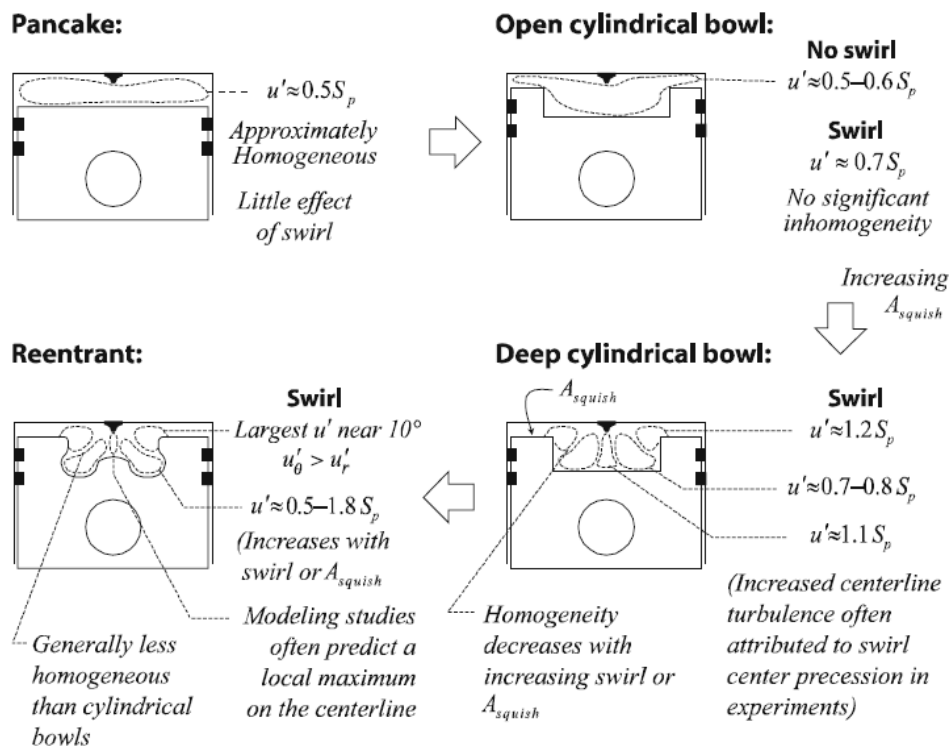


Figure 1. Swirl and squish effects for various piston types.