

HANDOUT 5.1

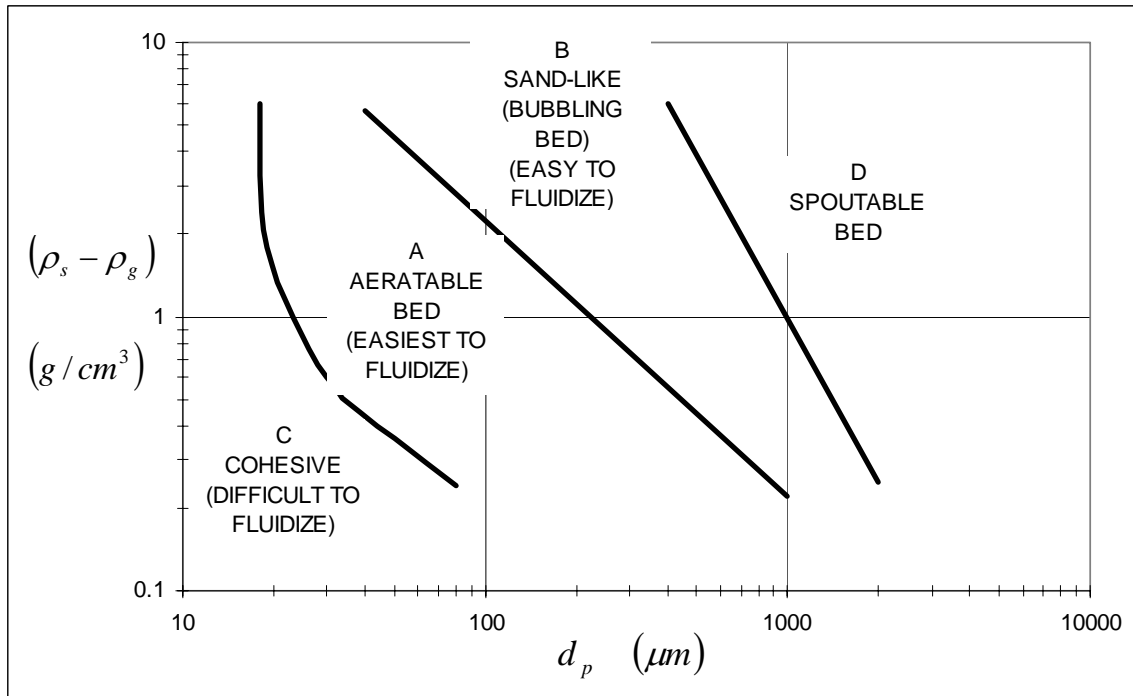
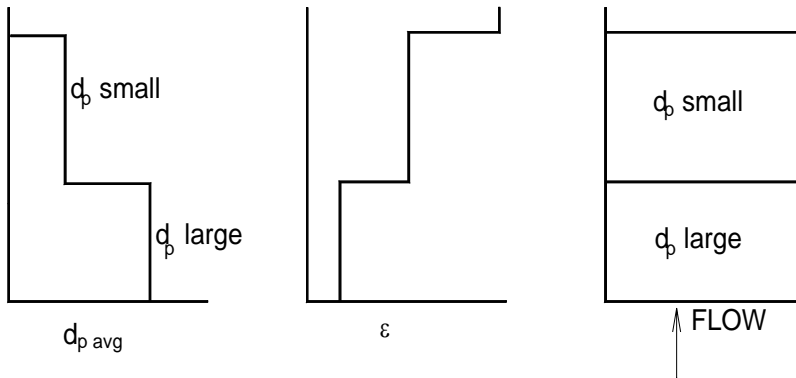
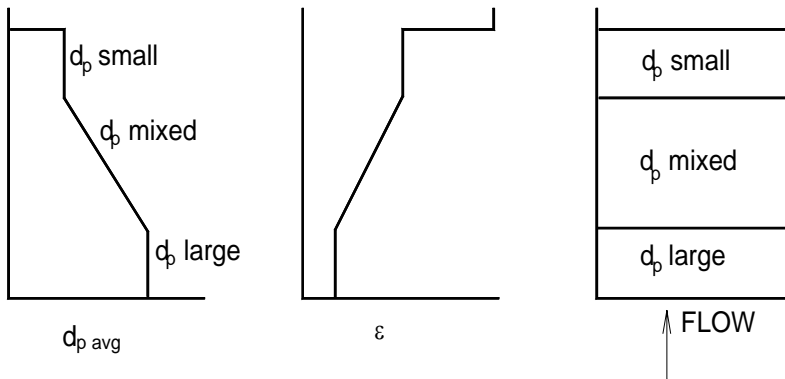


Figure 5-3. Geldart classification of fluidized beds. Particle properties are related to the type of fluidized beds. (Geldart, Powder Technology, 7, 258-292, 1973).

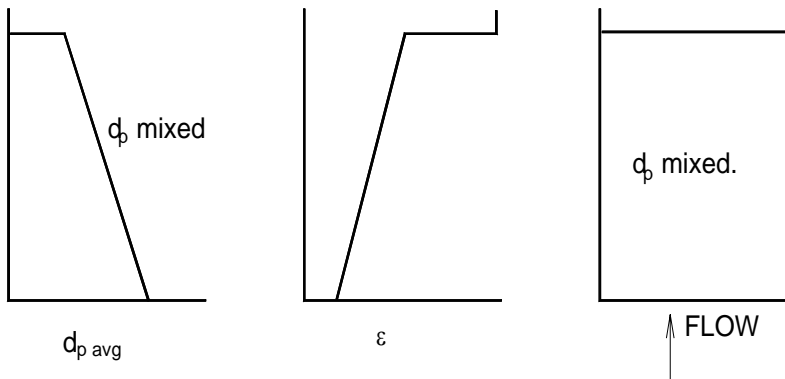
HANDOUT 5.2



- (a) Complete segregation of particles into a region of predominately small particles and a region of predominately large particles. The segregation may also be characterized by an abrupt change in bed porosity.



- (b) Partial segregation into two regions with different particle sizes separated by a layer of mixed particle sizes.



- (c) No segregation of particles. The average particle size may gradually vary throughout the depth of the bed.

Figure 5-6. Fluidized beds with bimodal size distribution.