

Electronic Supplementary Material

Segregation of binary particles in gas-solid fluidized bed

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APPENDIX-A: Properties of the employed particles

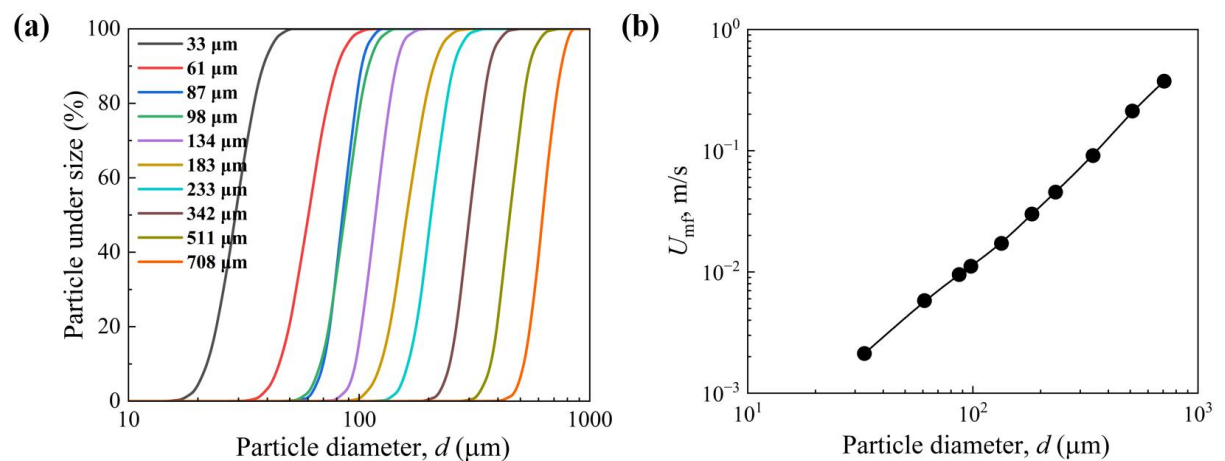
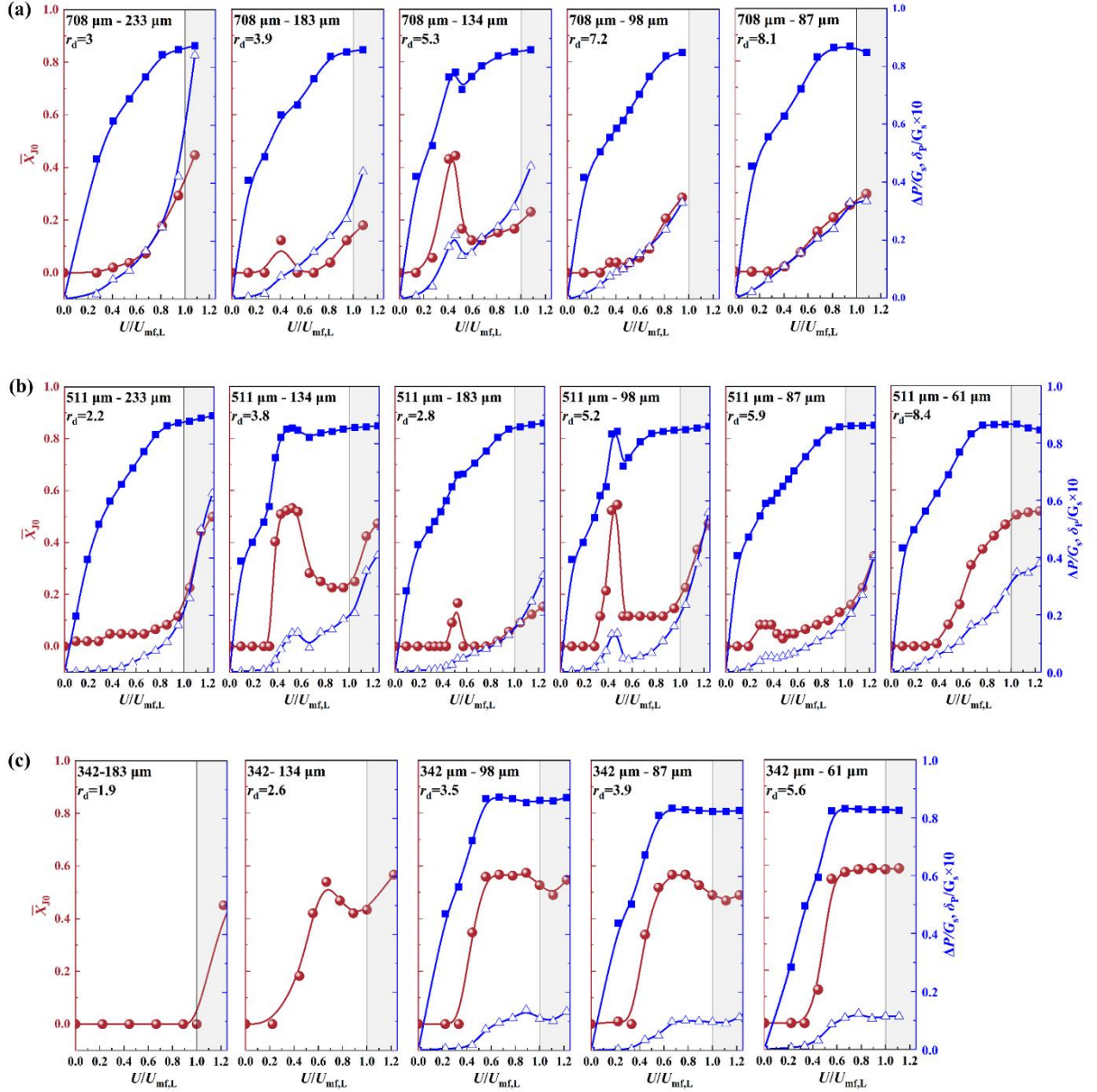


Figure A-1 (a) Particle size distributions. (b) The minimum fluidization velocities

Table A-1. The minimum fluidization velocity of glass beads

d , μm	708	511	342	233	183	134	98	87	61	33
U_{mf} , mm/s	374.3	212.4	91.0	45.5	30.0	17.2	11.1	9.5	5.8	2.1

APPENDIX-B: Experimental results of binary fluidized bed



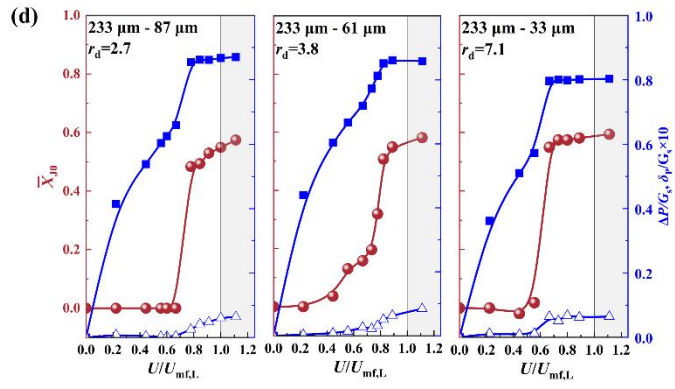


Figure A-2 Variations in saturated jetsam fraction, pressure drop, and its standard deviation with respect to superficial gas velocity for various mixture combinations.