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Interactive comment on “New developments in the analysis of volcanic pyroclastic density currents through numerical simulations of multiphase flows” by S. Lepore and C. Scarpati

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p.177 row 25 - Please, write the equations of conservations.

p.177 row 7, p.182 row 19 and Table 1 - The Authors say that Table 1 contains values that can be applied to phases of strombolian and plinian eruptions. They should explain with more details the choice of value for the vent diameter, for the mixture vertical speed, and for the particle sizes. Is it possible that only one value can cover such different eruptive styles as strombolian and plinian events? Which is also the weight distribution of particles?

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