

Effect of Size of the Inlet for the Air Flow through the New Multi Dose Dry Powder Inhaler

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Abstract

This paper was based on part of the study in developing a new multi dose dry powder inhaler. This was focused on to study how the inlet diameter of the inhalation air chamber of a new multi dose dry powder inhaler affects the air flow inside by using computational modeling. Computational fluid dynamic (CFD) analyses were carried out for different inlet diameters at different flow rates.