

Integration Of CFD Analysis In Product Development Process Of Kitchen Range Hoods



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Wei-sue Cao, Xue-yi You. The inverse optimization of exhaust hood by using intelligent algorithms and CFD simulation. Wei-sue Cao, Xue-yi You 2017 Bawornif Hetowicz, Potr Kolstrasi, Michal Pomorski. Experimental and numerical flow analysis and design optimization of a fume hood using the CFD method. Chemical Engineering Bearch and Design 2018

netric Flow Rate (m³/h

30

:DE (%)

REFERENCES

yan N., Akay H.U., Walsh M. R., Bell W.V., Troyer G.L., Dukes R.E., Mohan P. "CFD Modeling of pharmaceutical isolators with experimental iffication of airflowr. July 2007PDA journal of pharmaceutical science and technology normon G. Gardiudh A. Castello M. Elias SA: Bruail L. Colleoni S.G. Ennishoft. "CFD driven desian of a kitchen hood ventilation system". Conference paper. CAE conferen

4) Buonomo G., Gargiulo A., Castello M. Elica SpA: Brugali L., Colleoni S.G. EnginSott. "CFU driven design of a kitchen hood ventilation system". Conterence paper, CAE conterence 2014 5] Ansys User: guide, Release 11.5