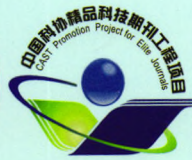


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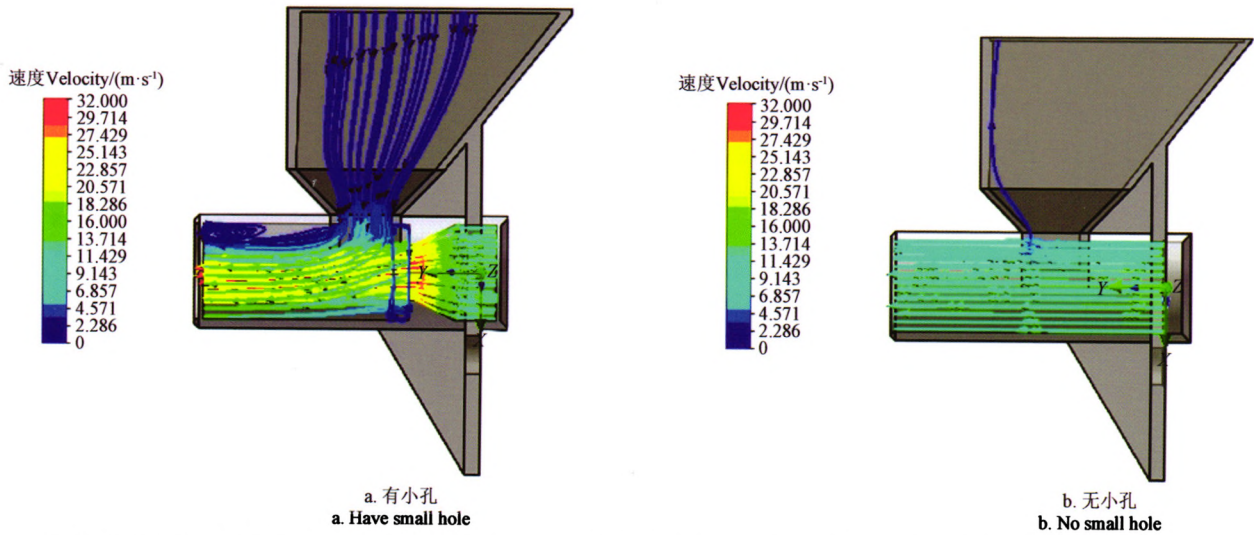
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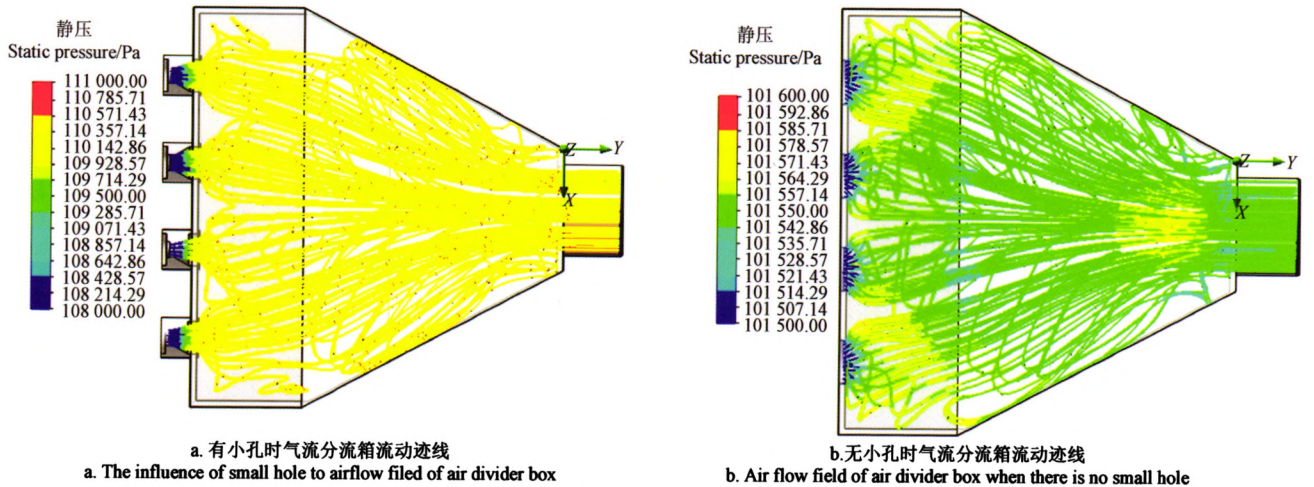
齐兴源, 等. 稻田气力式变量施肥机关键部件的设计与试验 (图4、5)

Qi Xingyuan, et al. Design and experiment of key parts of pneumatic variable-rate fertilizer applicator for rice production (Figure 4, 5)



注: 落肥口和气流肥料混合出口的边界条件均定义为和环境压力相同, 气流入口的边界条件为速度流, 速度大小为 $12\text{ m}\cdot\text{s}^{-1}$ 。
Note: Fertilizer input and output have the same boundary conditions, they have same pressure with surroundings environment, the boundary conditions of air input is constant velocity, its velocity is $12\text{ m}\cdot\text{s}^{-1}$.

图4 小孔对气流肥料混合接头气流场的影响对比
Fig. 4 Influence of small hole to airflow field in mixed joint



注: 边界条件的定义为气流出口均与环境压力相同, 气流入口为恒定体积流量 $0.03\text{ m}^3\cdot\text{s}^{-1}$ 。
Note: The boundary conditions of air output is same as surroundings environment, the air input is volume flow, and its volume is $0.03\text{ m}^3\cdot\text{s}^{-1}$.

图5 混合接头小孔对气流分流箱流动迹及内部气压影响图
Fig.5 Influence of small hole in mixed joint to pressure of air divider box