

Debien's visions for the future

Debien calls himself a visionary. He'll try to build a better damper and a better coil. He wants to design a machine that will manufacture duct on the job economically. "Punch in the computer, push a button, wait for the pipe."

He's convinced that air conditioning is a life-support breathing apparatus. He foresees lifetime duct systems, sealed systems with no thermal losses, controlled environment — temperature and humidity — in each room.

With lifetime duct systems, sealed systems, no thermal losses, owners could control the environment in each room and keep it isolated from the rest of the house.

Given a system that totally isolates a room, someone in the house who needs medication could breathe it and stay well. It's happening with nicotine now, with a negative effect.

He also sees the day coming when the owner can get an exact readout of air in the house: carbon monoxide level, composition and level of particulate matter, and levels of oxygen and carbon dioxide. It's do-able.