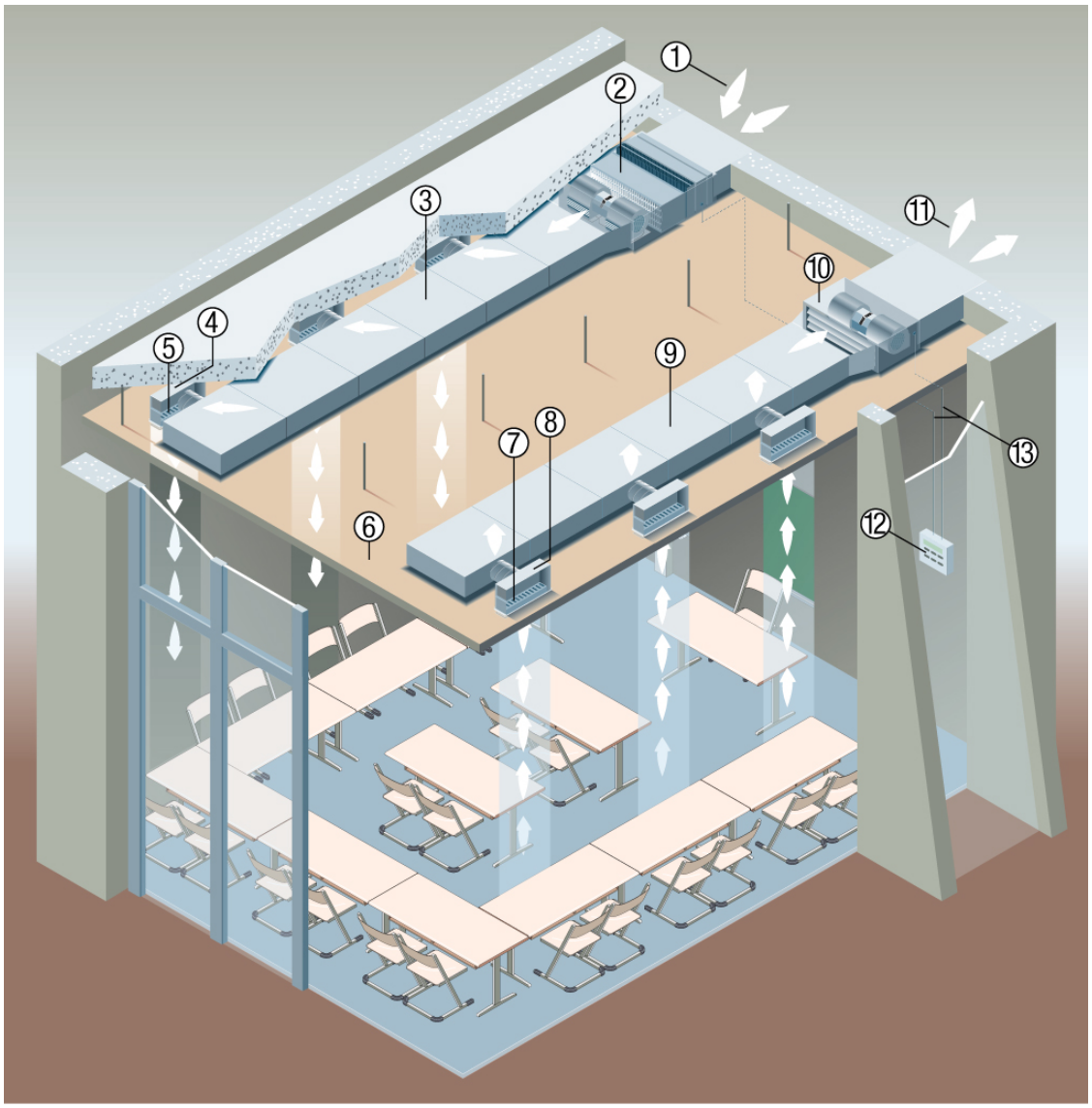
INSTALLATION INSTRUCTIONS

EK 62/22

Ventilation and air extraction with EK installation boxes

The KFD and KFR Flatboxes are suited to all locations offering little space for a ventilation system. Their low mounting height means that they fit easily in suspended ceiling. This allows the supply and exhaust air ducts to be fitted with ease.

In the example shown, a sound-insulated KFR-K Flatbox with cooling register is supplying a classroom with supply air. The air inlets and outlets in the form of EK installation boxes are spread over the entire ceiling such that the room receives optimum cross-ventilation. The KFR-A Flatbox then removes the exhaust air to the outside via the exhaust air system. Both Flatboxes are controlled by a joint control. This means that the two units are ideally matched at all times.



① Outside air
② KFR-K Flatbox for supply air
③ Supply air channel system
④ EK installation box
⑤ Internal grille
⑥ Suspended ceiling
⑦ Internal grille
⑧ EK installation box
⑨ Exhaust air channel system
⑩ KFR-A Flatbox for exhaust air
⑪ Outgoing air
⑫ Joint control for KFR-K and KFR-A
⑬ Control cables

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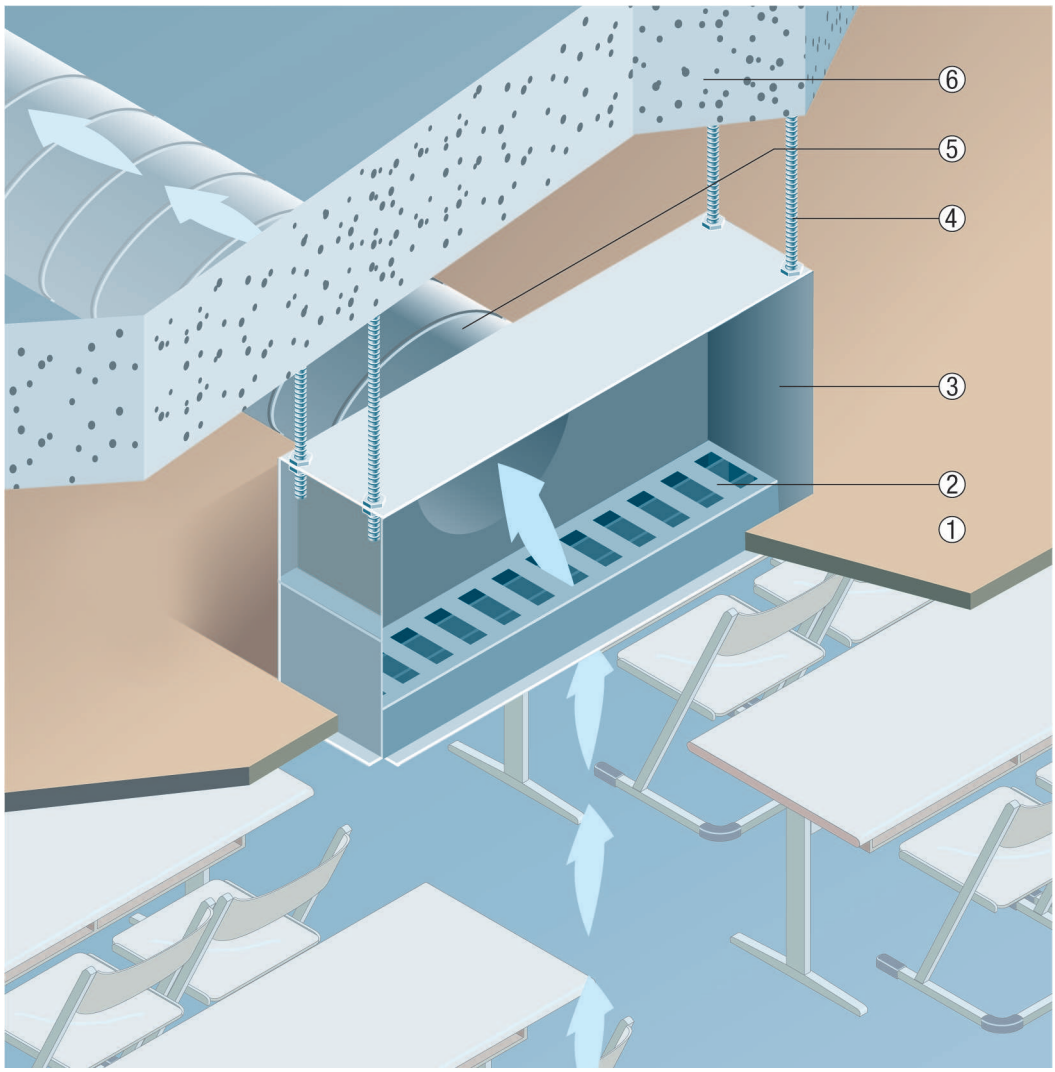
Installing EK installation boxes

The EK installation boxes are fitted perfectly in the suspended ceiling. They are secured to the load-bearing ceiling using threaded rods. This allows the installation height to be set in a continuously variable manner. They are connected to the ventilation system using a folded spiral-seams duct which supplies the supply air and removes the exhaust air.



① Suspended ceiling
② LGA / LGZ internal grilles
③ EK installation box
④ Threaded rods
⑤ Folded spiral-seams duct
⑥ Ceiling