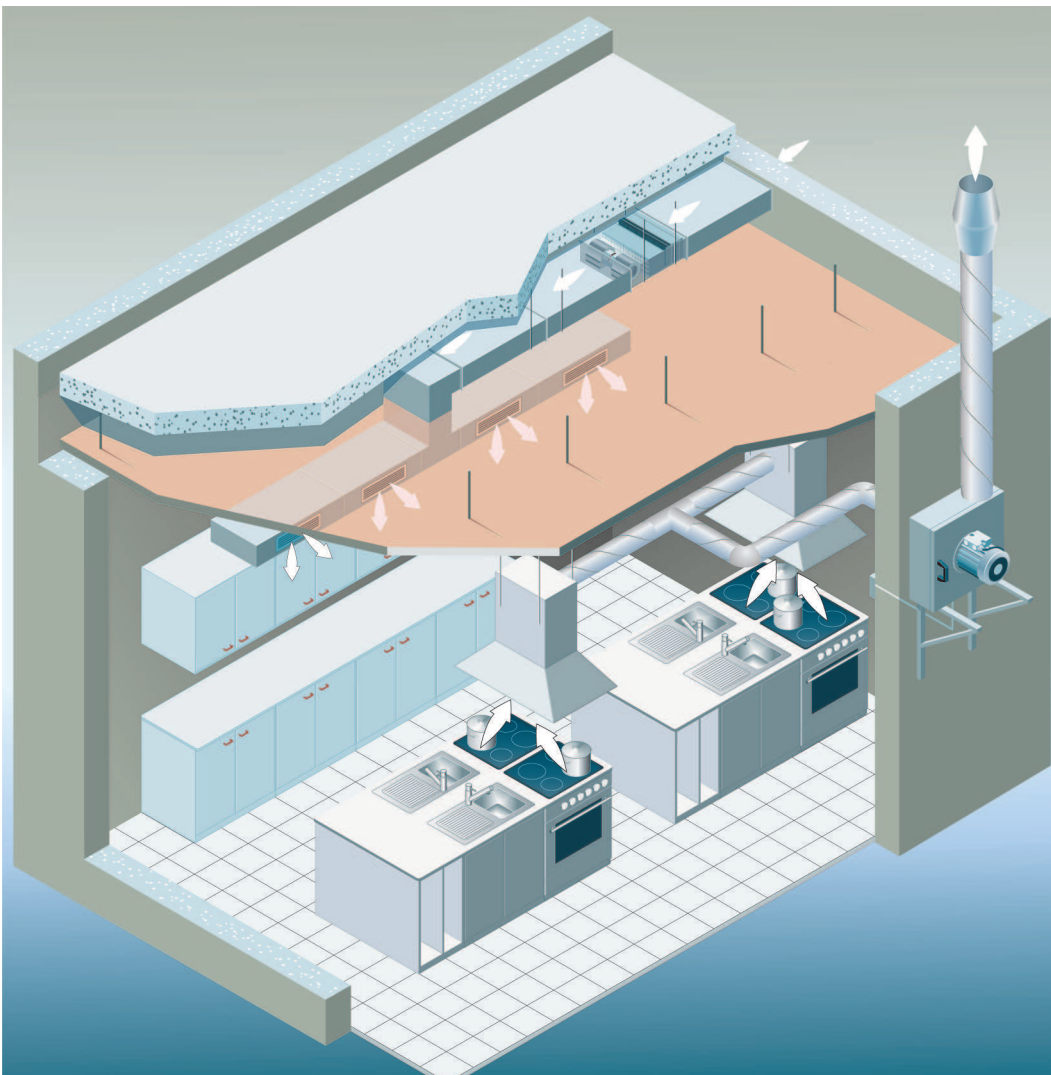


## DPK 31/1-S EC

### Ventilation and air extraction of large kitchen using channel fan and kitchen exhaust air box

- In situations where there is little space available for the ventilation system, the DPK EC and DSK EC (sound-insulated) duct fans are ideal for installing in suspended ceilings, for example. This allows the ventilation ducts to be fitted with ease.
- And the EKR-2 kitchen exhaust air box is the right choice of fan for places where hot and greasy air needs extracting from large kitchens in commerce or schools. The external motor, which is therefore not in the air flow, is not sensitive to hot, greasy or contaminated air flows.
- In the example shown, a channel fan is supplying a kitchen with supply air.
- Air filter, sound absorber and electric air heater round off the supply air pipe. The supply air is blown in close to the ceiling and spread throughout the room.
- The exhaust air is extracted by range hoods above the cooking areas. The air inlets and air outlets are distributed such that the room receives optimum cross-ventilation. The EKR-2 kitchen exhaust air box then removes the outgoing air outdoors via a duct system. The volume of air extracted by the kitchen exhaust air box can be set using a control unit as necessary.



- ① Outside air
- ② External grille
- ③ Channel system supply air
- ④ Channel fan DPK EC / DSK EC (sound-insulated)
- ⑤ KSP channel sound insulation

# INSTALLATION INSTRUCTIONS



## DPK 31/1-S EC

- ⑥ Supply air opening
- ⑦ suspended ceiling
- ⑧ range hood
- ⑨ Channel system exhaust air
- ⑩ EKR kitchen exhaust air box
- ⑪ Exhaust air
- ⑫ Control for supply and exhaust air