



LOT6

2018



F400

## SMOKE EXTRACT FANS

THE NEW PRODUCT RANGES FOR MORE SAFETY  
UP TO 200°C CONTINUOUS OPERATION | 400°C / 120 MIN.

**MPS...D F4****MPC...D F4 T****MPC...D F4 TI**

- Dual-Use 400 °C / 120 min. and 200 °C continuous operation
- Double skinned, steel sheet casing with 40 mm mineral wool insulation
- Three possible exhaust directions: right / left / upwards
- Backward curved centrifugal impeller with screw tight hub and with Taperlock shaft-hub connection
- Casing base conceived with integrated drain
- Max. airflow rate 11.800 m<sup>3</sup>/h

- Dual-Use 400 °C / 120 min. and 200 °C continuous operation
- Innovative motor cooling concept
- Double skinned, steel sheet casing with 30 mm mineral wool insulation
- Three possible exhaust directions: right / left / upwards
- Backward curved centrifugal impeller with screw tight hub and with Taperlock shaft-hub connection
- Casing base conceived with integrated drain
- Max. airflow rate 17.500 m<sup>3</sup>/h

- Dual-Use 400 °C / 120 min. and 200 °C continuous operation
- Double skinned, steel sheet casing with 30 mm mineral wool insulation
- Linear airflow
- Backward curved centrifugal impeller with screw tight hub and with Taperlock shaft-hub connection
- Integrated drain
- Max. airflow rate 12.100 m<sup>3</sup>/h

The new fans are certified for the temperature class F400 according to the European product requirements and testing standard DIN EN 12101-3. They allow a medium temperature of up to 400 °C / 120 min. They are additionally suitable for continuous operation of up to 200 °C medium temperature.

All smoke extract fans are driven by frequency controllable IE3 premium efficiency motors. The motors are outside of the airflow and have a special shaft sealing, which prevents oil and water from entering over the shaft.

**DVN...D F4****DVNI...D F4**

- Dual-Use 400 °C / 120 min. and 200 °C continuous operation
  - Innovative motor cooling concept
  - Casing made of seawater-resistant aluminium, base plate and inlet cone are made of galvanized sheet steel
  - Backward curved centrifugal impeller with screw tight hub and with Taperlock shaft-hub connection
  - Integrated grease pan with drain
  - Max. airflow rate 14.300 m<sup>3</sup>/h
- Dual-Use 400 °C / 120 min. and 200 °C continuous operation
  - Innovative motor cooling concept
  - Sound insulated casing
  - Casing made of seawater-resistant aluminium, base plate and inlet cone are made of galvanized sheet steel
  - Backward curved centrifugal impeller with screw tight hub and with Taperlock shaft-hub connection
  - Integrated grease pan with drain
  - Max. airflow rate 14.300 m<sup>3</sup>/h

**MOTOR TECHNOLOGY**

- IE3 premium efficiency standard motors in protection class IP55
- Motors have a special shaft sealing, which prevents oil and water from entering over the shaft
- High energy efficiency at full and part load range
- Control with frequency converter in protection class IP66 with Fire-Mode function

**ELECTRICAL ACCESSORIES**

Frequency converter

IP 66



Potentiometer

MTP



Constant pressure control

CON P1000



Motor protection switch

MS



# MECHANICAL ACCESSORIES

## MPS...D F4



Weather protection hood



Wall bracket



## MPC...D F4 T



Base frame



Panel with spigot



Inlet spigot



Rain cover



Closed panel



## MPC...D F4 TI



Panel with condensate drains



## DVN/DVNI...D F4



Flat roof socket



Sloped roof socket



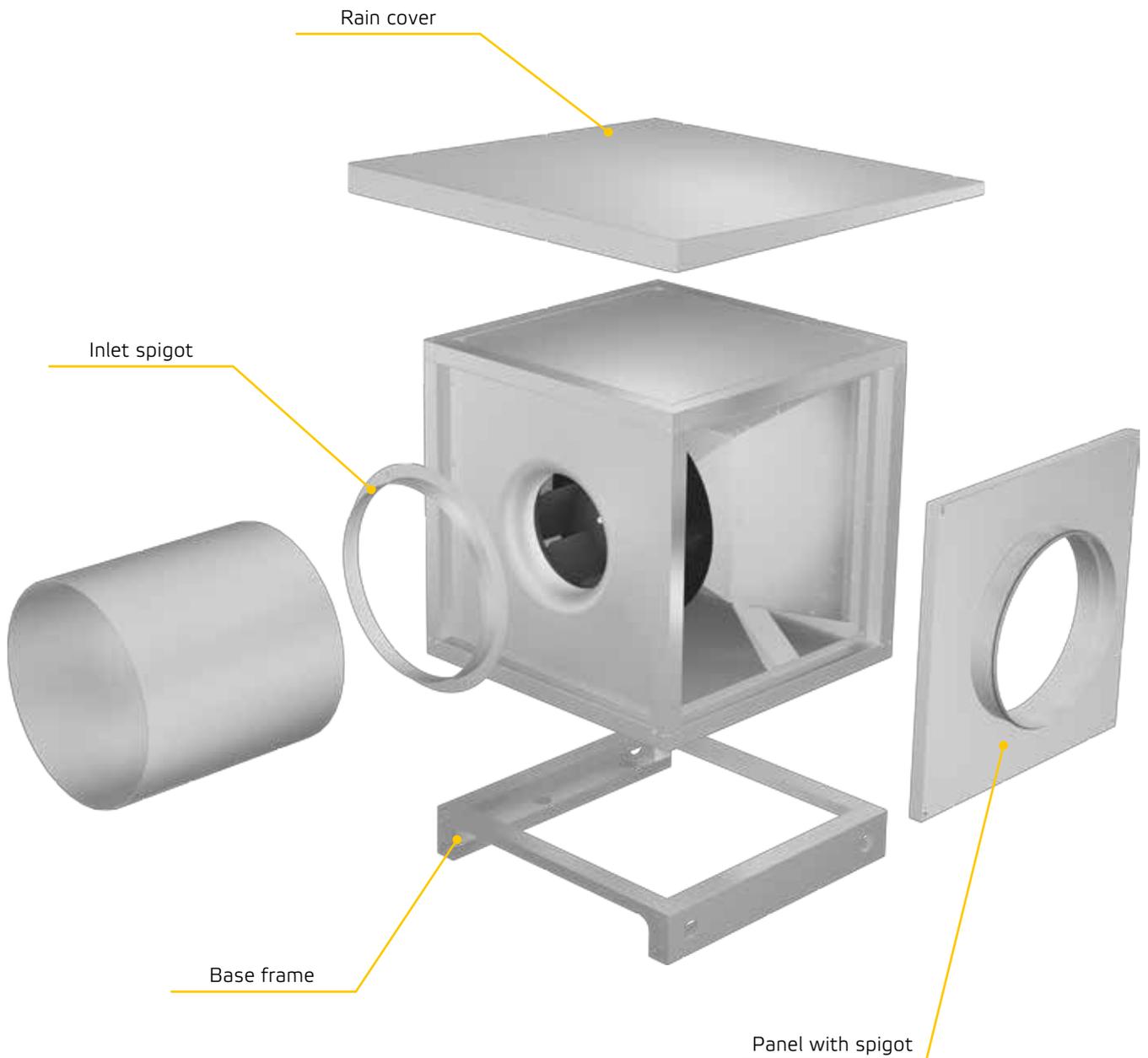
Inlet flange



Roof adapter plate

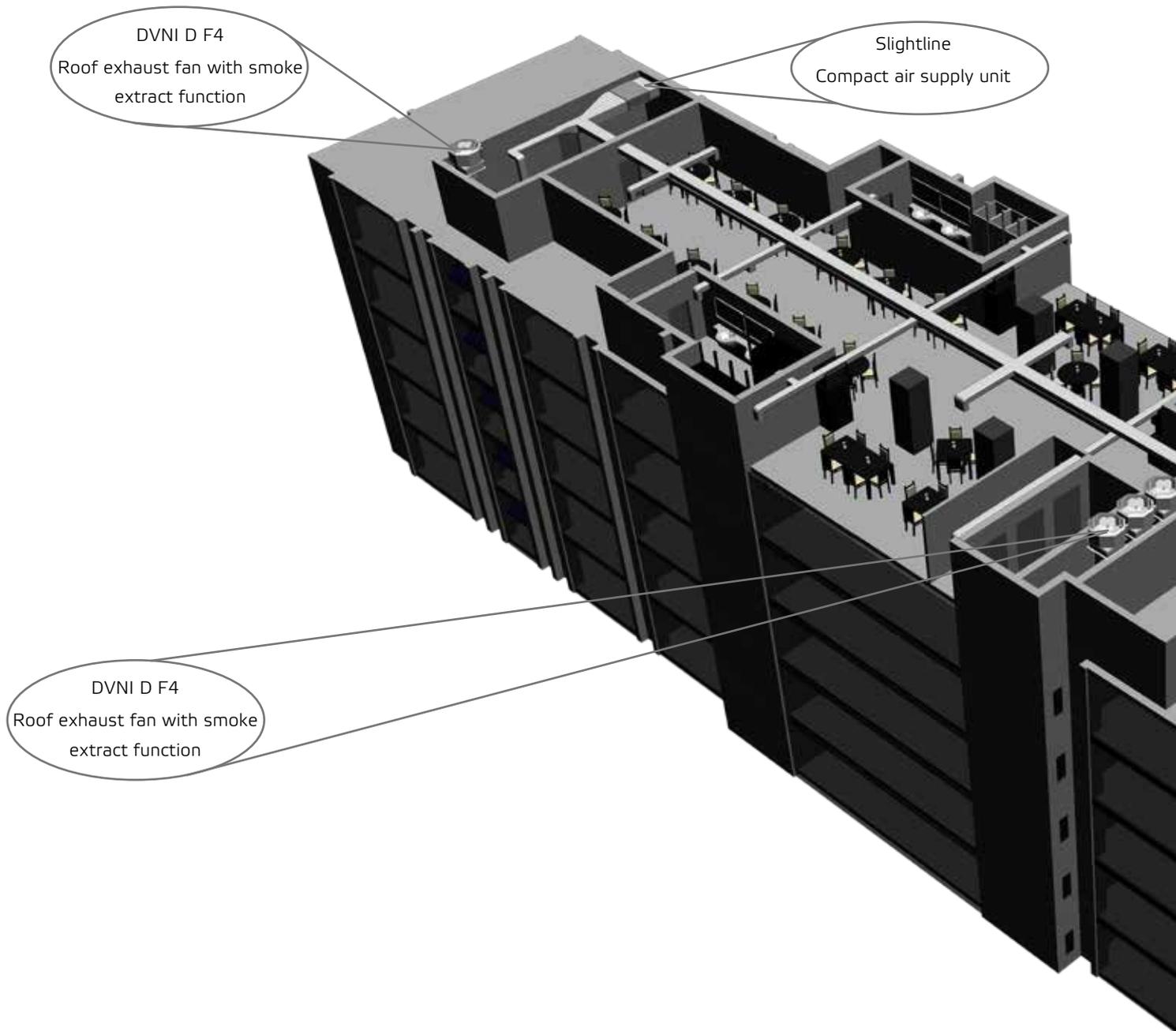


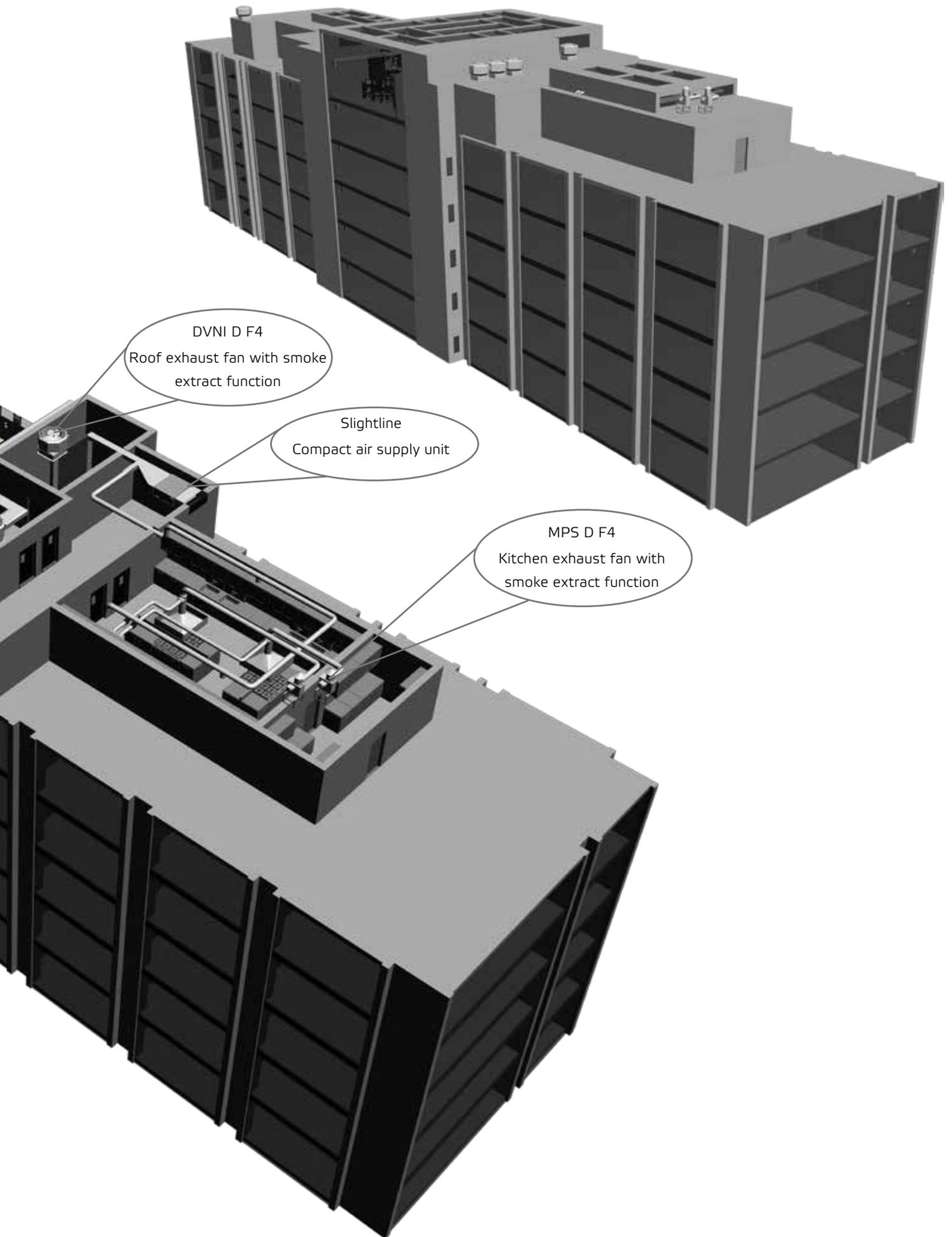
# INSTALLATION EXAMPLE



## APPLICATION EXAMPLE SMOKE EXTRACT FANS

### Office building with restaurant on top





DVNI D F4  
Roof exhaust fan with smoke  
extract function

Slightline  
Compact air supply unit

MPS D F4  
Kitchen exhaust fan with  
smoke extract function