

## FACTORY CERTIFICATE

**PRODUCT:** Fire and smoke dampers  
**ETPR, ETCE, ETPR-E-1, ETER, ETPS-E, ETES**

Round and rectangular fire dampers and smoke exhaust dampers for installation in air handling systems.

**PRODUCER:** FläktGroup

Depending on product type following standards are applied:

**STANDARDS:**

**Testing:** **SFS-EN 1363-1** *Fire resistance tests – Part 1: General requirements.*  
**SFS-EN 1366-2** *Fire resistance tests for service installations – Part 2: Fire dampers*  
**SFS-EN 1751** *Ventilation for buildings. Air terminal devices. Aerodynamic testing of dampers and valves.*

**Dimensions:** **SFS-EN 1506** *Ventilation for buildings. Sheet metal air ducts and fittings with circular cross section. Dimensions.*  
**SFS-EN 1505** *Ventilation for buildings. Sheet metal air ducts and fittings with rectangular cross section. Dimensions.*

**Materials:** Steel components:  
**SFS-EN 10346** *Continuously hot-dip coated steel flat products. Technical delivery conditions.*  
**SFS-EN 10088-2** *Stainless steels. Part 2: Technical delivery conditions for sheet/plate and strip for general purposes.*

Ceramic parts: calcium silicate  
Sealing parts: Intumex, silica strip, silicone  
Plastic parts: Polyamide  
Rubber parts: EPDM -rubber

**QUALITY AND ENVIRONMENT:**

The production is certified by **EN ISO 9001** Quality certification  
**EN ISO 14001** Environmental certification

This is to certify that the above statements are true and correct:

**FläktGroup Finland Oy**  
**27.12.2018**



Jari Hokkanen, R & D Manager