

## EC-CERTIFICATE OF CONFORMITY

**0809 - CPD – 0759**

In compliance with Council Directive 89/106/EEC of 21 December 1988 on the approximation of laws, regulations and administrative provisions of the Member States relating to construction products (the Construction Products Directive or CPD), as later amended, it has been stated that the construction product

### **Fire dampers FDI, FDT, FDC, FDR, FDV, FDS and FDE**

**used in heating, ventilating and air conditioning installations in round or rectangular ducts for fire/smoke compartmentation**

**with the property profiles given on page 2**

**placed on the market by**

**Halton Oy**

**Haltonintie 1-3  
FI-47400 Kausala**

**and produced in the factory**

**Halton Oy, FI-47400 Kausala**

is submitted by the manufacturer to a factory production control and to the further testing of samples taken at the factory in accordance with a prescribed test plan and that the notified body - No. 0809 - has performed the initial type-testing for the relevant characteristics of the product, the initial inspection of the factory and of the factory production control and performs the continuous surveillance, assessment and approval of the factory production control.

This certificate attests that all provisions concerning the attestation of conformity and the performances described in Annex ZA of the standard

**EN 15650:2010**

were applied and that the product fulfils all the prescribed requirements.

This certificate was first issued on August 31, 2012 and remains valid as long as the conditions laid down in the harmonised technical specification in reference or the manufacturing conditions in the factory or the FPC itself are not modified significantly.

Espoo August 31, 2012



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Product	Fire resistance	Operational reliability		Damper casing leakage
		<i>Motor operated</i> (EN 15650, C 3.2)	<i>Manually operated</i> (EN 15650, C 3.1)	
<b>FDI</b>	E 90 (h <sub>o</sub> ) S C 50 *EI 60 (v <sub>e</sub> – h <sub>o</sub> ) S C 50	10 000 cycles	100 cycles	C
<b>FDT</b>	*E 90 (v <sub>e</sub> ) C 50 *E 60 (v <sub>e</sub> ) S C 50 E 180 (h <sub>o</sub> ) S C 50 *EI 60 (v <sub>e</sub> – h <sub>o</sub> ) S C 50	10 000 cycles	100 cycles	C
<b>FDC</b>	*EI 120 (v <sub>e</sub> – h <sub>o</sub> ) S C 50	10 000 cycles	100 cycles	C
<b>FDR</b>	*EI 120 (v <sub>e</sub> – h <sub>o</sub> ) S C 50	10 000 cycles	100 cycles	C
<b>FDV</b>	*E 120 (v <sub>e</sub> – h <sub>o</sub> ) S C 50 *EI 15 (v <sub>e</sub> ) S C 50 EI 30 (h <sub>o</sub> ) S C 50		100 cycles	C
<b>FDS</b>	*E 90 (v <sub>e</sub> ) C 50 *E 60 (v <sub>e</sub> – h <sub>o</sub> ) S C 50 EI 15 (h <sub>o</sub> ) S C 50	10 000 cycles	100 cycles	C
<b>FDE</b>	*E 120 (v <sub>e</sub> ) C 50 *E 90 (v <sub>e</sub> ) S C 50 *EI 15 (v <sub>e</sub> ) S C 50	(EN 15650, C 3.3)	100 cycles	C
		10 000 cycles, 0-90° and 45 -60°		

\*Also flexible wall