

1. **TYPE EXAMINATION CERTIFICATE**

2. **Equipment or Protective System Intended for use in Potentially explosive atmospheres  
Directive 2014/34/EU**

3. Type Examination Certificate Number: **EESF 20 ATEX 038X**

4. Product: **Damper**  
 Certified type: **UTA, UTG, BLD and BRD**

5. Manufacturer: **Halton Marine Oy**

6. Address: **Pulttikatu 2, 15700 Lahti, Finland**  
**No. 10 Block, No. 600 South Xinyuan Road Lingang New City, Pudong New District,  
201306 Shanghai, CHINA**

7. This product and any acceptable variation thereto is specified in the schedule to this certificate and the documents therein referred to.

8. Eurofins Expert Services Oy, Certification Body No. S017 accredited by the Finnish Accreditation Service (FINAS), certifies that this product has been found to comply with the Essential Health and Safety Requirements relating to the design and construction of products intended for use in potentially explosive atmospheres given in Annex II to the Directive 2014/34/EU of February 2014.

The examination and test results are recorded in confidential report No. EUFI29-19005374-T1


9. Compliance with the Essential Health and Safety Requirements has been assured by compliance with:

**EN ISO IEC 80079-36 (2016)      EN ISO IEC 80079-37 (2016)**

10. If the sign "X" is placed after the certificate number, it indicates that the product is subject to the Specific Conditions of Use specified in the schedule to this certificate.

11. This Type Examination Certificate relates only to the design and construction of the specified product. Further requirements of the Directive apply to the manufacturing process and supply of this product. These are not covered by this certificate.

12. The marking of the product shall include the following:

	<u>UTA and UTG</u>
	<b>II 2 G Ex h IIA, IIB, IIC T6...T4 Gb</b>
	<u>BLD and BRD</u>
	<b>II 2 G Ex h IIA, IIB, IIC T6...T3 Gb II 2 D Ex h IIIC T85°C...T200°C Db I M 2 Ex h I Mb</b>

Espoo, 25.03.2020  
**Eurofins Expert Services Oy**

Kari Koskela  
 Expert

Riku Vuorinen  
 Manager

This document is digitally signed.

13. **Schedule**

 14. **Type Examination Certificate EESF 20 ATEX 038X**

 15. **Description of Product**
**UTA**

Halton UTA dampers are used to shut-off or regulate air flow in duct work. Dampers meet international standards for rectangular and round ducts. In the open position, the blades face the direction of flow and do not cause a significant pressure loss. The UTA is used as a shut-off damper in applications where gas tightness and reliability are important. The damper can be fitted with manual, pneumatic or electrical actuating mechanism.

**UTG**

Halton UTG dampers are used to shut-off and balance airflow rates in high pressure ductworks. Dampers meet international standards for rectangular and round ducts. In the open position, the blades face the direction of flow and do not cause a significant pressure loss. The UTG is used as a shut-off, gas and balancing damper in applications where tightness and reliability are important.

**BLD**

Halton BLD non-return dampers are used in offshore and marine applications to prevent backflow through ventilation ductwork system. The BLD dampers do not need an actuator or motor. Non-return dampers can be installed in rectangular or circular ducts, horizontally or vertically. If required, they can easily be set by adjusting the weight of each damper/installation. When the blades are in the open position, the device does not cause significant pressure loss, noise or flow disturbance.

**BRD**

Halton BRD pressure-relief dampers are used in offshore and marine applications to regulate the pressure in the ductwork system. The Halton pressure relief dampers do not need an actuator or motor. The BRD dampers can be installed in rectangular or circular ducts horizontally or vertically. The damper is in closed position when the pressure in the duct is lower than the adjusted opening pressure. Opening pressure can easily be set by adjusting weight of each damper/installation. Weights are included in the delivery. Pressure relief dampers can be supplied with non-standard dimensions on request.

 16. **Report Number**

EUF129-19005374-T1

 17. **Specific Conditions of Use**

Limitation of surface areas of gasket: 80 cm<sup>2</sup> for IIC group and 400 cm<sup>2</sup> for IIA and IIB groups.

Normal ambient temperature range is -20 °C... T<sub>amb</sub>... 40 °C. With some approved components, ambient temperature range can be wider:

UTA, UTG not wider than - 60 ≤ T<sub>amb</sub> ≤ 80 °C.  
 BLD, BRD not wider than - 60 ≤ T<sub>amb</sub> ≤ 200 °C.

 18. **Essential Health and Safety Requirements**

The Essential Health and Safety Requirements are covered by the standards listed at item 9.

**19. Thermal ignition assessment and tests**

Temperature class T6 to T3, conditional upon temperature class of assembled certified equipment and ambient temperature.

**20. Drawings and Documents**

Drawings and documents are listed in the confidential report.

**21. Certificate History**

Issue	Date	Report No.	Change
-	25.3.2020		Prime certificate