



## *Certificate of Type Approval (RQS)*

This is to certify that BW Technologies  
has met the requirements of ABS Product Type Approval for  
GasAlertClip-Extreme

Model Name(s): GA24XT Standard: H2S, SO2, CO & O2

**Presented to:**

BW Technologies  
2840 - 2nd Avenue S.E.  
Calgary  
Alberta T2A 7X9  
Canada

**Intended Service:**

Portable Gas Detector for Confined Space Monitoring

**Description:**

GasAlertClip-Extreme is a clip on personal gas detection/warning device that alarms at the presences of hazardous gases. This product is a detector and monitor system.2-Year Disposable, Water-Resistant IP66, Single Gas Detector

**Ratings:**

Intrinsic Safety "i", UL: Class I, Div I, Gps A, B, C, & D, T4, Cl I Zone 0, Gp IIC, T4, ATEX: ExII2G EX Approval:EExia IICT4

**Service Restrictions:**

Unit Certification is not required for this product.

**Comments:**

See EC Type Examination Certificate for details of detectors and drawings

**Notes / Documentation:**

**Term of Validity:**

This product/model is covered under Product Design Assessment (PDA) Certificate # 03-HS386614-PDA, dated 28/Jul/2003. This PDA Certificate expires Jul of 2008. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

**ABS Rules:**

2003 Steel Vessel Rules 1-1-4/3.7 , 4-8-3/13, 4-8-4/27, 5-1-7/17, 25, 31, & 5-1-7/Tbl 1

**National Standards:**

UL Certificate #99.18904 Ref: E13102

**International Standards:**

UL International Certificate #DEMKO 02 ATEX Ref: 0235232, UL Standard 913, CSA C22.2 No. 157-92

**Government Authority:**

**EUMED:**

**Others:**

Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS

cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.