



Certificate of Type Approval (RQS)

This is to certify that BW Technologies
has met the requirements of ABS Product Type Approval for
Samplerpack
Model Name(s): GA-SPAK

Presented to:

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

Intended Service:

External Motorized Sampling Pump Kit

Description:

A battery powered, motorized, intrinsically safe pump for spot sampling providing a flow to gas detectors via a flexible hose

Ratings:

Class 1, Div 1, Gps A, B, C, & D / Class 1, Zone 0, Gp IIC

Service Restrictions:

Unit Certification is not required for this product.

Comments:

Self contained device, battery powered, motorized remote spot sampling pump

Notes / Documentation:

Term of Validity:

This product/model is covered under Product Design Assessment (PDA) Certificate # 03-HS360038-PDA, dated 25/Mar/2003. This PDA Certificate expires March 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, 4-8-3/13.5, 5-1-7/17.7, 5-1-7/19.5.1, 5-1-7/25.33 & 31

National Standards:

International Standards:

CSA International Cert# 1399907 (LR 80259)

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.