

DIVEX HSE ALERT



HSE Alert No. HSE001-2009

STEALTH CLOSED CIRCUIT UNDERWATER BREATHING APPARATUS CALIBRATION

Part No's: DB105137, DE2060167, DE260187, DB104AA-K2003, DB104AA-K2004, DB104AA-K2005, DB106AA, E15316, DB200AB, DB200AC, DB200AD, DB105AA, DB105BA, DB105CA, DB105DA, DB105FA, DB105GA, DB200AE, DB200BA, DE2060, E15316, DE2050R, DE2050, DB104AA, DB104AB, DB105AB, DB105EA, DE2061, E16169 & DB104001.

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DATE	15/12/09	COUNTRY:	UK	LOCATION:	Aberdeen
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DESCRIPTION

Divex have become aware of an inappropriate oxygen calibration procedure used by one of our Customers. It has therefore been decided to issue a Divex Caution Notice to all our Customers who have purchased or use Divex Stealth systems. **All users of Divex Stealth Closed Circuit Underwater Breathing Apparatus (UBA) are advised as a matter of urgency to ensure that only authorised Divex calibration procedures are used.**

DIVEX INFORMATION

Oxygen sensors must only be calibrated when their gas permeable membranes (white coloured front face) are completely dry and free of moisture. Any attempt to calibrate oxygen sensors when they are "wet" will likely result in an inaccurate calibration causing incorrect Oxygen Partial Pressure (PO₂) control. During diving operations, an incorrect PO₂ level has the potential to elevate inert gas (nitrogen and/or helium) partial pressure and increase the risk of decompression illness.

DIVEX INSTRUCTION

During operational deployment it is acknowledged that a full post dive procedure in accordance the applicable operating instructions may not always be possible for all User groups. Therefore, as a minimum, it is recommended that at the end of each day's diving, the scrubber canister outlet plenum is completely disengaged from the scrubber canister to permit the sensor module to dry naturally at room temperature. Only then may oxygen sensor calibration be conducted in accordance with applicable pre-dive oxygen sensor calibration instructions.

FURTHER INFORMATION

Divex would like to reaffirm its commitment to Diving Safety and should any further information be considered applicable to the current in-service equipment, Divex will immediately be in contact.

For further information or advice regarding oxygen sensor calibration, please contact Mr Glyn Gilbert, General Manager Operations and In-Service Support, Divex Ltd. Fax: +44 1224 740172, email: ggilbert@divexglobal.com

CORRECTIVE ACTION

- Customers and User Groups to review maintenance manuals to reflect calibration requirements and keep the necessary records;
- Raise awareness of operating manual instructions and comply with the requirements;
- Customers and User Groups to review Diving Operations Procedures and related forms.

RECOMMENDATIONS

- Distribute Divex HSE Alert to all Divex locations;
- All Divex personnel involved with Dive Teams associated with Stealth Systems must be made aware of this incident prior to performing an oxygen sensor calibration;
- Material to be used to support pre-dive planning post-dive activities and toolboxtalk process.



NAME: Kevin Smith

JOB TITLE: General Manager - QHSE

DATE: 15/12/09

for and on behalf of Divex Ltd.

ACKNOWLEDGEMENT

Following receipt of this HSE Alert, please sign below and return a copy of this HSE Alert to Divex Ltd. by fax for the attention of:

FAO: Mr Glyn Gilbert, General Manager Operations and In-Service Support, Divex Ltd.

Fax: +44 1224 740172

I, (name in captial letters), on behalf of

(title of organisation), acknowledge receipt of Divex

HSE Alert (HSE001-2009) and confirm that appropriate action is being immediately instigated to distribute this HSE Alert to the various applicable Stealth UBA User groups.

Signature:

Rank and Position: