



Marine &amp; Offshore

Certificate number: 19766/C1 BV

File number: ACM 180/2503/01

Product code: 7152H

*This certificate is not valid when presented without the full attached schedule composed of 7 sections*

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## TYPE APPROVAL CERTIFICATE

*This certificate is issued to*

**VICTOR MARINE LTD.**  
Chesterfield - UNITED KINGDOM

*for the type of product*

### ANTISPARKING AXIAL FANS

Portable Gas Freeing Fans

Type VP 850A-Mk5 Air Driven

Type VP 800W-Mk5 & VP 1350W-Mk5 Water Driven

#### Requirements:

- BUREAU VERITAS Rules for the Classification of Steel Ships
- BUREAU VERITAS Rules for the Classification of Offshore Units
- IBC Code

*This certificate is issued to attest that Bureau Veritas Marine & Offshore did undertake the relevant approval procedures for the product identified above which was found to comply with the relevant requirements mentioned above.*

**This certificate will expire on: 22 Nov 2022**

For Bureau Veritas Marine & Offshore,  
At BV LONDON, on 06 Nov 2019,  
Spencer Yule



This certificate remains valid until the date stated above, unless cancelled or revoked, provided the conditions indicated in the subsequent page(s) are complied with and the product remains satisfactory in service. This certificate will not be valid if the applicant makes any changes or modifications to the approved product, which have not been notified to, and agreed in writing with Bureau Veritas Marine & Offshore. Should the specified regulations or standards be amended during the validity of this certificate, the product(s) is/are to be re-approved prior to it/they being placed on board vessels to which the amended regulations or standards apply. This certificate is issued within the scope of the General Conditions of Bureau Veritas Marine & Offshore available on the internet site [www.veristar.com](http://www.veristar.com). Any Person not a party to the contract pursuant to which this document is delivered may not assert a claim against Bureau Veritas Marine & Offshore for any liability arising out of errors or omissions which may be contained in said document, or for errors of judgement, fault or negligence committed by personnel of the Society or of its Agents in establishment or issuance of this document, and in connection with any activities for which it may provide.

The electronic version is available at: <http://www.veristarm.com/veristarnb/jsp/viewPublicPdfType.jsp?id=ptupjnqxsx4>  
BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

## THE SCHEDULE OF APPROVAL

### 1. PRODUCT DESCRIPTION

**Axial Flow Portable Gas Freeing Fans**

- VP 850A-Mk5 Air Driven

- VP 800W-Mk5 & VP 1350W-Mk5 Water Driven

#### **Technical Specification**

Type	Drive Media	Max. Operating Pressure [bar]	Max. Air Flow [m³/hr]	Drive Media Flow [m³/hr]	Min. Supply Hose [inch]	Standard Deck Flange [mm]	Gross Weight [kg]
VP 850A-Mk5	Air	7.5	8500	220	3/4"	Ø 318	28
VP 800W-Mk5	Water	10.5	8700	18	1-1/2"	Ø 318	31
VP 1350W-Mk5	Water	10.5	14350	68	2"	Ø 318	31

#### **Material Specification**

Casing	Aluminium alloy LM6M
Impeller	Aluminium alloy LM6M

### 2. DOCUMENTS AND DRAWINGS

#### **Documentation**

Type	VP 850A-Mk5	VP 800W-Mk5	VP 1350W-Mk5
General arrangement	GF 850-001 J	GF 800-001 G sheet 1	GF 1350-001 G sheet 1
Typical installation	GF 850-002 H	GF 800-001 G sheets 2 & 3	GF 1350-001 G sheets 2 & 3
Water/Air motor assembly	VP 850-172 B (air)	GF 800-162-1 B (water)	GF 1350-162-1 B (water)

#### **Installation, Operating and Maintenance Manual**

Gas Freeing Fan VP 850A-Mk5	VP 850A (Issue 19)
Gas Freeing Fans VP 800W-Mk5 & VP 1350W-Mk 5	VP 800W Mk5 & VP 1350W Mk 5 (Issue 22)

*No departure from the above documents shall be made without the prior consent of the Society. The manufacturer must inform the Society of any modification or changes to these documents and drawings.*

### 3. TEST REPORTS

Not required.

### 4. APPLICATION / LIMITATION

4.1 Axial flow portable gas freeing fans are approved for use as non-sparking fans for purging of explosive gas/air mixture from cargo tanks, cofferdams and other hazardous areas of oil/chemical tankers. Fans are capable of operation in supply mode (blowing) or exhaust mode.

4.2 Fans are to be suitably earthed to the hull in order to prevent electrostatic charges during operation.

4.3 The installation on board is to be carried out in compliance with manufacturer's instructions and in accordance with the provisions of Bureau Veritas Rules and Regulations stated on the front page of this certificate.

### 5. PRODUCTION SURVEY REQUIREMENTS

5.1 The products are to be supplied by **Victor Marine Limited** in compliance with the type described in this certificate and in compliance with the requirements stated on the front page of this certificate.

5.2 This type of product is within the category HBV of Bureau Veritas Rule Note NR 320 and as such does not require a BV product certificate.

5.3 **Victor Marine Limited** has to make the necessary arrangements to have its works recognised by Bureau Veritas in compliance with the requirements of NR 320 for HBV products.

5.4 For information, **Victor Marine Limited** has declared to Bureau Veritas the following production site:

**Victor Marine Limited: 7, Waterloo Court, Markham Vale, Chesterfield, Derbyshire, UK, S44 5HN**



## **6. MARKING OF PRODUCT**

The product is to be at least marked with:

- Manufacturer's name or logo
- Type designation and size
- Capacity

## **7. OTHERS**

It is **Victor Marine Limited's** responsibility to inform shipbuilders or their sub-contractors of the proper methods of fitting, use and general maintenance of the approved products and the conditions of this approval.

*This certificate supersedes the Type Approval Certificate No. 19766/C0 BV issued by the Society.*

\*\*\* END OF CERTIFICATE \*\*\*

