



Marine & Offshore

Certificate number: 07222/E0 BV

File number: ACM 135/1932/001

Product code: 21041

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

www.veristar.com

TYPE APPROVAL CERTIFICATE

This certificate is issued to

SCORPI

GENAY - FRANCE

for the type of product

NON-METALLIC HOSES (FLEXIBLE PIPES) ASSEMBLIES

BORFLEX CAFAC BAJOLET Types: 7370, 8082 & 4374

Requirements:

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

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 is a renewal of certificate N° 07222/D0 BV expiring on 23/01/2022

This certificate will expire on: 23 Jan 2027

For Bureau Veritas Marine & Offshore,

At BV LYON, on 17 Jan 2022,

Yann Krempelwicz



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. 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/viewPublicPdfTypepec.jsp?id=q9swbbhxxk>
BV Mod. Ad.E 530 June 2017

This certificate consists of 3 page(s)

THE SCHEDULE OF APPROVAL

1. PRODUCT DESCRIPTION

Flexible pipes BORFLEX CAFAC BAJOLET Types: 7370, 8082 & 4374

1.1 Technical specifications

- Type 7370

Size (mm)	4.5 x 7 / 6 x 9 / 7 x 10 / 9 x 13 / 12 x 17
Maximum working pressure (bar)	10
Maximum service temperature (°C)	80

The maximum working pressure is not to exceed one quarter of the burst pressure at the service temperature.

- Type 8082

Size (mm)	4.5 x 7 / 7 x 10 / 12 x 17
Maximum working pressure (bar)	10
Maximum service temperature (°C)	120

The maximum working pressure is not to exceed one quarter of the burst pressure at the service temperature.

- Type 4374

Size (mm)	9 x 13
Maximum working pressure (bar)	10
Maximum service temperature (°C)	120

The maximum working pressure is not to exceed one quarter of the burst pressure at the service temperature.

1.2 Material specification

Tube	Rubber
Reinforcement	Stainless or galvanized Steel wire
Cover	Rubber

- The end fittings are to be swaged and made of steel or brass.

When other choices of materials are used per manufacturer's recommendations, the BV agreement is to be obtained.

2. DOCUMENTS AND DRAWINGS

- Product specifications as per datasheet dated 28/09/2016

- Data sheet N° 7-5-1-23-a Rev. A dated 22/03/1999

- Specification sheet as provided on 21/11/2016

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

- Pressure and burst test performed on all sizes of all types dated 15/11/2016

- Ageing test report dated 04/01/1984 performed on type 7370 (formerly 3470) in fuel oil.

- Fire test report dated 23/07/2015 performed according to ISO 15540/15541

4. APPLICATION / LIMITATION

4.1 - May be used for the following services on board :

- Fuel oil (only type 7370), lubricating oil, sea water and fresh water, compressed air

4.2 - End fittings as per manufacturer's catalogue. The hoses are to be entirely assembled in the manufacturer's workshop.

4.3 - The hose assemblies are to be installed according to manufacturer's instructions and Bureau Veritas Rules requirements.

4.4 - The hoses are to be limited to a length necessary to provide for relative movement between fixed and flexibly mounted items of machine/equipment or systems and are only to be used in lengths up to 2 m. The hoses are to be installed in clearly visible and readily accessible locations at all times.

4.5 - Tapered threaded end fittings are not to be used in engine rooms, nor in any place containing an ignition source unless

otherwise suitably screened at the Society's Surveyor satisfaction.

4.6 - The use of stainless steel is to be restricted as per the requirements of the Bureau Veritas Rules.

4.7 - Not to be used in case of high level of vibrations where fitted to engines, pumps, compressors and other sources of high vibrations.

4.8 - Not to be used where pressure impulses may occur.

5. PRODUCTION SURVEY REQUIREMENTS

5.1 The products are to be supplied by **SCORPI** in compliance with the type and the requirements described in this certificate.

5.2 This type of product is within the category IBV of Bureau Veritas Rule Note NR320.

5.3 Each hose with end fittings is to be hydraulically pressure tested to 1.5 times the maximum working pressure and provided with the manufacturer's pressure test report and conformity of production.

5.4 BV product certificate is required.

5.5 For information, **SCORPI** has declared to Bureau Veritas the following production site:

SCORPI
Z.ONE INDUSTRIELLE PARC ACTI-NORD,
BP 19,
69726 GENAY,
FRANCE

6. MARKING OF PRODUCT

Each flexible hose shall at least clearly and indelibly marked with:

- Manufacturer name or logo
- Date of manufacture (month/year)
- Type designation
- Nominal Diameter
- Pressure rating
- Temperature rating
- Society's brand as relevant

7. OTHERS

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

This certificate supersedes the Type Approval Certificate N° 07222/D0 BV issued by the Society.

*** END OF CERTIFICATE ***