



Physical Technical Testing Institute, Ostrava-Radvanice
National testing authority No 210,
Certification body No. 3051 accredited by ČIA Praha

Certificate No.: FTZÚ 04 Ex 0013

about verification of non-electrical apparatus for potentially explosive gas atmospheres

This certificate is issued for: **Air separator type N169.50; N169.80**

Manufacturer: **Poličské strojírný a.s.; 572 12 Polička, Czech Republic**

Applicant: **Poličské strojírný a.s.; 572 12 Polička, Czech Republic**

Above mentioned product and any of its variant are specified in Annex of the certificate and in documentation, list of which is attached in Annex of this certificate.

FTZÚ – National testing authority No. 210 confirms, that product comply with requirements following standards:


EN 13463-1:2001

Manufacturer (or applicant) listed in the certificate is responsible for product conformity assurance in accordance with its specification (documentation) listed in Annex of the certificate and for successful performance of all specified routine tests and verification.

Apparatus marking: **II 1/2G IIA T6**

This certificate is valid till: **31 July 2009**

Responsible person:


Mr. Jaroslav Šindler
Head of certification body



Date of issue: 29 July 2004

Number of pages: 1/2 Annexes: 1 (1 page)

This certificate is valid only for products described in this certificate and doesn't replace any other documents.
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Product description: The air separator type N169.50 a N169.80 (next separator only) is an apparatus, serving for air and vapour separation from liquid upward to measuring instruments.

The separator consists of cylindrical vessel with input and output flanges and sight glass. The upper part is closed by cover with float valve, that is installed on the bottom side of cover.

The main parts of float valve are float, body and cone. The cone, that is connected with lever to the float ensures air and vapour release from separation room of separator depending on lever position. The upper side of the cover is provided with flange for connection of separator outlet.

The separator vessel, cover, lever and the cone are made of steel grade 11. The cone body is made of brass. The gaskets are of polyurethane.

The separator type N169.50 differs from type N169.80 especially by volume, size and design of connection orifices. The separator is designed to be installed in hazardous area zone 1, inside volume of the separator is classified zone 0.

Basic technical data:

Rated inside diameter:	DN50, DN80
Rated pressure:	1 MPa
Working temperature range:	- 30 °C to + 50 °C
Mass:	57 kg ... DN50 89 kg ... DN80

Test report No.: 04/0013

Special conditions for safe use: -

Essential Health and Safety Requirements: Covered in above mentioned standards and in Instruction for use.

Responsible person:

Mr. Jaroslav Šindler
Head of certification body



Date of issue: 14 July 2004
Number of pages: 2/2 Annexes: 1

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Annex 1 to certificate No. FTZÚ 04 Ex 0013
about verification of non-electrical apparatus for potentially explosive gas
atmospheres

List of documentation

- Instruction for assembly, service and maintenance ... 4 + 3 pages
- Technical condition No. TP 0-435-084 ... 6 + 4 pages
- Drawings No.: 23 773 amendment i 17.4.98 + piece list
13 222 amendment e 10.12.98 + piece list
448 124 amendment d 9.9.97 + piece list
23 778 amendment d 15.4.99 + piece list
447 824 amendment a 6.6.73 + piece list
555 653 amendment c 25.5.99 + piece list
23 785 amendment ch 5.11.98 + piece list
25 675 amendment d 10.12.98 + piece list
36 612 amendment d 9.9.97 + piece list
23 779 amendment d 15.4.99 + piece list
447 845 amendment a 8.2.73 + piece list
447 839 amendment c 25.5.99 + piece list
23-411 090 10.2.98
- Data sheet of material NBR 70 ... 1 page
- Data sheet of rubber 3156 ... 1 page
- Technical data of material series HD ... 3 pages
- Data sheet of rubber 08158 ... 1 page

