BUREAU VERITAS

EG-ENTWURFSPRÜFBESCHEINIGUNG (Modul H1)

EC DESIGN-EXAMINATION CERTIFICATE (module H1)

N° CE-PED-H1D-APL-001-04-POL-revA

BUREAU VERITAS S.A. bestätigt im Rahmen der Zulassung zur Benannten Stelle (Kennummer 0062), daß der Entwurf der unten näher beschriebenen Druckgeräte einer Überprüfung auf Grundlage der Anforderungen des Anhang III Modul H1 der Druckgeräterichtlinie 97/23/EG, umgesetzt in französisches Recht durch die Beschlussfassung n°99-1046 vom 13. Dezember 1999, unterzogen worden ist und die Anforderung dieser Direktive erfüllt.

BUREAU VERITAS S.A., acting within the scope of its notification (notified body number 0062), attests that the design of an item of pressure equipment identified hereunder has been examined against the provisions of appendix III, module H1, of the Pressure Equipment directive n° 97/23/EC, transposed in the French law by the modified decree n° 99-1046 of 13 December 1999, and found to satisfy the provisions of the directive which apply to it.

Hersteller (Name) / *Manufacturer (Name):*	**APLISENS SP. Z O. O.**
Adresse / *Address:*	**ul. Morelowa 7, 03-192 Warszawa, POLAND**
Herstellerzeichen / *Trademark:*	APLISENS®
Druckgerätebeschreibung / *Equipment description:*	**PRESSURE TRANSMITTERS**
Nummer der betreffenden Druckgeräte (falls erforderlich Liste im Anhang) / *Identification of the approved design:*	**PC-28**
Mitzugelassene Druckgerätevariationen / *Versions covered by the approved design (where applicable):*	**Types:** **PC-28 /XX/YY,** **See Annex for complete versions identification**
Gültig bis / *Conditions for validity:*	**FOR USE AS SAFETY ACCESSORIES**

Eine Liste der relevanten technischen Unterlagen ist in der Anlage.
A list of the relevant parts of the technical documentation is annexed to this certificate.

Diese Bescheinigung wird ungültig und der Hersteller muss die Konsequenzen voll selbst tragen, wenn Änderungen am Entwurf des Druckgerätes vorgenommen werden, die die grundsätzlichen Sicherheitsanforderungen beeinträchtigen können oder das Gerät anders als vorgesehen eingesetzt wird und insbesondere, wenn der Hersteller nicht die Anforderungen der Druckgeräterichtlinie 97/23/EG vom 29 Mai 1997, so wie sie in nationales Recht umgesetzt worden ist, einhält.
This certificate shall be deemed to be void and the manufacturer shall alone bear any consequences pursuant to its use, in case of modification to the equipment where this may affect conformity with the essential safety requirements or the prescribed conditions for use of the equipment, and generally where the manufacturer fails in particular to comply with any of his obligations under directive nr 97/23/EC of 29 May 1997 as transposed in the applicable law(s).

Ort / *Made at*	Datum (MM/DD/YYYY) / *On (MM/DD/YYYY)*	Name / *Signed by*	Unterschrift / *Signature*
KATOWICE / POLAND	**01/14/2008**	**Jacek Piska**	BUREAU VERITAS EAPIL PARIS 1828 de PŁOCK REGISTRE INTERNATIONAL
Registier Code / Registration code: 2008/91.14,3299/P			

Diesem Zertifikat liegen die Allgemeinen Geschäftsbedingungen der Bureau Veritas, siehe Anlage des Antrages, zu Grunde.
This certificate is subject to the terms of Bureau Veritas General Conditions of Service attached to the agreement signed by the applicant.

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Anhang zur EG-ENTWURFSPRÜFBESCHEINIGUNG

Annex to the EC design-examination certificate (module H1)

N° CE-PED-H1D-APL-001-04-POL-revA

Nummer der betreffenden Druckgeräte

List of the concerned equipment

Type PC-28 /XX/YY

1. Pressure transmitter is used without a diaphragm seal

Pressure ranges:

a) **-100kPa ÷ 40MPa positive gauge pressure, vacuum pressure**
b) **0kPa ÷ 40MPa absolute pressure**
c) **Static pressure limit (overpressure) depending on type of the head: 44 MPa**

Temperature range: -40°C ÷ 100°C

2. Pressure transmitter is used with a diaphragm seal

Pressure ranges :

a) **-100kPa ÷ 10MPa positive gauge pressure, vacuum pressure**
b) **0kPa ÷ 10MPa absolute pressure**
c) **Static pressure limit (overpressure) depending on type of the head: 11 MPa**

Temperature range: -40°C ÷ 150°C

Materials:

Housing:
304 AISI; 1.4301 WNR (0H18N9)

Diaphragm and process connector:
316L AISI; 1.4404 WNR; 1.4435 WNR (00H17N14M2)

Options:

XX - Type of process connections:

M - M20x1,5 (bore ϕ 4)
P - M20x1,5 (bore ϕ 12 mm)
G1/2" - (bore ϕ 4 mm)
G1/2"P - (bore ϕ 12 mm)
G1/4"
G1/2"C - (with frontal diaphragm)
R1/2" – (bore ϕ 4 mm)
1/2" NPT
1/2" NPT P - (bore ϕ 12 mm)

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1/2" NPT C - (with frontal diaphragm)
20C - (M20x1.5 with frontal diaphragm)
S - Mazut - diaphragm seal

YY - Type of electrical connections:

PD - IP 65 rated Ingress Protection
PZ - IP 65 rated Ingress Protection
PK - IP 67 rated Ingress Protection

Liste der relevanten technischen Unterlagen
List of the relevant parts of the technical documentation

1. **General description; File no. PC.APC.A000-01**
2. **Technical drawings with bill of materials:**

   General arrangement:
   Dwg. No. PC.APC-A001-TA Sh. 1 to 2

   Pressure transmitter PC-28 without diaphragm seal; Drawing no. PC28-A104-TA Sh.1-3;
   Pressure transmitter PC-28 with diaphragm seal; Drawing no. PC28-A105-TA Sh.1-3
3. **Risk analysis; File no. PC.APC.A000-07**
4. **Design calculations; File no. PC.APC.A000-06**
5. **Report of overloading tests; File no. PC.APC.A000-08; PC.APC.A000-10**
6. **Draft of marking; Drawing no. PC.APC-C001-TA**
7. **Draft of declaration of conformity; File no. PC.APC-A000-03**
8. **User manual: DTR.PC...02 ed. 2006**

Scope of revision A:
- **New types of nozzles were added**
- **Static pressure limit (overpressure) were added.**
- **List of the relevant parts of the technical documentation was updated.**

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