

EU-TYPE EXAMINATION CERTIFICATE – PRODUCTION TYPE

Certificate No.:
124186-2012-CE-SWE-ACCREDIA Rev.2

Initial date:
13 November 2012

Validity:
12 February 2026 – 13 November 2032

This certificate consists of 4 pages

This is to certify that the products manufactured by:

PMC Cylinders AB
Frideborgsvägen 21, 56730 Vaggeryd, Sweden

have been assessed with respect to the conformity assessment procedure described in:

**ANNEX III MODULE B – PRODUCTION TYPE OF DIRECTIVE
2014/68/EU ON PRESSURE EQUIPMENT**

and found to comply with the requirements in Annex I – Essential Safety Requirements of the Directive.

The certificate is valid for the following products:

| | |
|----------------------------|--------------------|
| Type of Pressure Equipment | Vessel |
| Product Name | Piston Accumulator |
| Product Version | Type PAC and PAS |

Place and date:
Vimercate, 12 February 2026

For the issuing office:
Notified Body 0496, Italy
DNV Business Assurance Italy S.r.l.

Check Validity




Maurizio Bellina
Management Representative

Jurisdiction:

Application of Directive 2014/68/EU and Decreto Legislativo n. 26 of 15 February 2016.

Certificate history:

| Revision | Description | Issue Date |
|----------|----------------------------|------------------|
| 0 | Original certificate | 13 November 2012 |
| 1 | Renewal | 13 November 2022 |
| 2 | Inclusion of Group 1 gases | 12 February 2026 |

Products covered by this Certificate:

| Product Name | Product Description/Version | PED Category | Product standard |
|--------------------|-----------------------------|--------------|------------------|
| Piston Accumulator | Type PAC and PAS | II | EN 14359: 2017 |
| Piston Accumulator | Type PAC and PAS | III | EN 14359: 2017 |
| Pistor Accumulator | Type PAC and PAS | IV | EN 14359: 2017 |

Design data:

| | |
|--|---|
| Product name | Piston Accumulator, Type PAC & PAS |
| Min/Max allowable pressure (PS) in barg | Upto 1500 barg (max.) |
| Min/Max allowable temperature (TS) in °C | -40 (min.)/ +100 (max.) |
| [Click to select Volume or DN] | Maximum inside diameter Ø700 mm/ Maximum length 10000 mm |
| Fluid (group) | Group 2 (Nitrogen)/ Group 1 (Propylene & other group 1 gases) |

Sites covered by this certificate:

| Site Name | Site Address | Product description | Date |
|------------------|--|---------------------|------------|
| PMC Cylinders AB | Frideborgsvägen 21, 56730 Vaggeryd, Sweden | Type PAC | 09/11/2022 |

Applications/limitations:

- The type examination is based on reference drawings and calculations done for a representative range of the products. The manufacturer is allowed to supply variants of the approved types of accumulators within the aforementioned design data. The manufacturer shall make specific drawings and calculations for each variant.

- Appropriate sealing elements suitable for the design conditions and fluid shall be selected.
- The examination does not include any components or products mounted on the accumulator.

Documents reviewed:

| Document No | Rev | Date | Title | Status *) |
|-------------|-----|------------|---|-----------|
| 6820003 | 3 | 10/11/2022 | Piston accumulator, PAS-250-100-xxxx | A |
| 6810001 | 3 | 01/06/2022 | Piston accumulator, PAC-250-100-xxxx | A |
| 92295-01 | - | 28/04/2014 | PAS G1/4" 250/350, Base gas Ø100 | A |
| 92295-02 | - | 05/05/2014 | PAS G1/2" 250/350, Base gas Ø100 | A |
| 92227-04 | - | 08/06/2016 | PAC STD 1/2"-20UNF O-ring, Gavel gas Ø100 | A |
| 92226 | - | 09/11/2012 | PAC Ø100 G1", Base oil | A |
| 44485 | 1 | 03/11/2014 | PAS-250-100, Tube Ø100 | A |
| 44478 | - | 13/11/2012 | PAC-250, Ackrör Ø100 | A |
| 925911 | 7 | 15/12/2025 | Skylt accumulator | A |
| 926011 | 7 | 15/12/2025 | Skylt Ack PAC | A |
| - | - | - | PAC-250-100-xxx K016 Beräkningsark ackumulatorer | N |
| - | - | - | PAS-250-100-xxx K016 Beräkningsark ackumulatorer | N |
| - | - | 04/11/2022 | FEA Report 44478-Static 1-2 | N |
| - | - | - | 681001 BOM-list | N |
| - | - | - | 6820003 BOM-list | N |
| - | - | - | Instruction manual, Piston accumulators | N |
| PMC PMA 001 | 1 | 12/09/2018 | Particular Material Appraisal, EN 10305-1:2010, grade E355+SR | A |
| PMC PMA 002 | 0 | - | Particular Material Appraisal, EN 10025-1, grade S355J2 | A |
| PMC PMA 003 | 0 | - | Particular Material Appraisal, EN 10210-1, grade S355J2H | A |
| PMC PMA 004 | 0 | - | Particular Material Appraisal, Sandvik specification for SAF 2205 | A |
| PMC PMA 005 | 0 | - | Particular Material Appraisal, Sandvik specification for SAF 2507 | A |
| PMC PMA 006 | 0 | - | Particular Material Appraisal, EN 10297-1, grade E590K2 | A |

| | | | | |
|-------------|---|------------|--|---|
| PMC PMA 007 | 0 | 07/11/2022 | Particular Material Appraisal, OVAKO 520MW/520MW+ | A |
| - | - | - | Instruktionsbok, Kolvackumulatorer brandfarlig gas | N |
| 6810181 | 1 | 11/02/2026 | Piston accumulator, PAC-250-100-xxxx | A |
| 6820032 | 1 | 11/02/2026 | Piston accumulator, PAS-250-100-xxxx | A |

*) A=Approved, R=Reviewed; N=Noted

Terms and conditions:

This Certificate does not give the Manufacturer the right to CE mark and put on the market the product(s) listed on this Certificate. Only after the product(s) have been found to comply with the requirements in one of the following Conformity Assessment Modules C2, D, E or F, the Manufacturer may draw up an EU declaration of conformity and legally affix the CE mark followed by the identification number of the Notified Body involved in these modules.

Valid terms and conditions are found in the DNV's PED Certification Requirements.

End of Certificate

