

EU-TYPE EXAMINATION CERTIFICATE - PRODUCTION TYPE

Certificate No.:

124186-2012-CE-SWE-ACCREDIA

Initial date:

13 November 2012

13 November 2022 - 12 November 2032

This certificate consists of 4 pages

This is to certify that representative examples of 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.

This certificate is valid for the following scope:

Type of Pressure Equipment

Product Name

Product Version

Pressure Vessel

Piston Accumulator

Type PAC and PAS

Place and date: Vimercate, 14 November, 2022

Check Validity





For the issuing office: Notified Body 0496, Italy

DNV Business Assurance Italy S.r.l.

Nicola Privato

Management Representative



Certificate No.: 124186-2012-CE-SWE-ACCREDIA Place and date: Vimercate 14 November, 2022

Revision No.: 01

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	14 November 2022	

Products covered by this Certificate:

Product Name	Product version	PED category	Product standard
Piston Accumulator	Type PAC and PAS	II, III and IV	EN 14359: 2017

Design data:

Product Name			Maximum allowable temperature (TS)
Piston Accumulator	Upto 1500 barg (max.)	-40 °C (min.)	+100 °C (max.)

Design data:

	Maximum inside diameter/ length (mm)	Fluid	Fluid group
Piston Accumulator	Ø700/ 10000	Nitrogen	2

Sites covered by this certificate

Site Name	Site Address	Report ref
PIME CAMINATE AR	Frideborgsvägen 21, 56730 Vaggeryd, Sweden	Type test report dated 2022-11-09

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.



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- Appropriate sealing elements suitable for the design conditions 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	2022-11-10	Piston accumulator, PAS-250-100-xxxx	A
6810001	3	2022-06-01	Piston accumulator, PAC-250-100-xxxx	A
92295-01	-	2014-04-28	PAS G1/4" 250/350, Base gas Ø100	А
92295-02	7_	2014-05-05	PAS G1/2" 250/350, Base gas Ø100	А
92227-04		2016-06-08	PAC STD 1/2"-20UNF O-ring, Gavel gas Ø100	А
92226		2012-11-09	PAC Ø100 G1", Base oil	A
44485	1	2014-11-03	PAS-250-100, Tube Ø100	A
44478		2012-11-13	PAC-250, Ackrör Ø100	A
925911	5	2022-10-13	Skylt accumulator	A
926011	5	2022-11-02	Skylt Ack PAC	А
-	- 0	-	PAC-250-100-xxx K016 Beräkningsark ackumulatorer	FI
-	-	1/1/5	PAS-250-100-xxx K016 Beräkningsark ackumulatorer	FI
-	-	2022-11-04	FEA Report 44478-Static 1-2	FI
-	-	-	6810001 BOM-list	FI
-	-	-	6820003 BOM-list	FI
-	-	-	Instruction manual, Piston accumulators	FI
PMC PMA 001	1	2018-09-12	Particular Material Appraisal, EN 10305- 1:2010, grade E355+SR	А
PMC PMA 002	0	-	Particular Material Appraisal, EN 10025-2, 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	А



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			specification for SAF 2507	
PMC PMA 006	0	_	Particular Material Appraisal, EN 10297-1, grade E590K2	А
PMC PMA 007	0		Particular Material Appraisal, OVAKO 520MW/ 520MW+	A

 ^{*)} A=Approved, FI=For information

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.

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

End of Certificate