

DECLARATION OF CONFORMITY TO PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU

This declaration of conformity is issued under the sole responsibility of the manufacturer

Name and address of the manufacturer Within the community; E.C.S. (Midlands) Limited Unit 38B Thornleigh Trading Estate Blowers Green Road Dudley West Midlands DY2 8UB	Description of the pressure Equipment Seamless aluminum gas cylinder Type: F0208A-P – Rev 2 Batch S2022 Quantity: 250 Order Ref: FT22-0237 Conformity Assessment Process Module B: 13/UK/3211-4 REV 0 Module C2: U2225957
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Acceptable Contents are those to be considered as fire extinguishments

Powder, foam, clean agent, wet chemicals or halogenated hydrocarbons.

Name and address of Notified body responsible for the inspection of the suppliers
Technical file and for the Manufacturer's Quality Assurance systems.

Apragaz
Chaussee De Vilvorde 156
B1120 Brussels
Belgium
(CE 0029)

EU - type examination – production type certificate (Module B) Internal production control, plus supervised pressure equipment checks at random intervals (Module C2)	Harminised Standards applied – EN3-8 Other Standards applied – EN3-7
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Date: 06/05/2022 Name: Graham Newman Position : Director

Manufacturer's Stamp:



Signature:

Declaration Number: 077

**FINAL ASSESSMENT OF AN EQUIPMENT FOLLOWING THE
EUROPEAN PRESSURE EQUIPMENT DIRECTIVE 2014/68/EU
CATEGORY III MODULE C2**

2 Work-order n° :
3 Pressure equipment(s) type : FIRE EXTINGUISHER MODEL F0208 A-P
4 Design conditions : PS: 18.8 BARS / PT: 27 BARS
5 Test code / harmonised standard: EN 3-8:2006

Notified body: APRAGAZ
Reference n°: P6808/003/RI
Delegate: F. BRAAT
Report n°: U225957

IDENTIFICATION

7 Manufacturer : E.C.S MIDLANDS LIMITED
8 Hong Tang Xi Lu, 11. Zhangbei area, Ningbo
9 Location : 315033 P.R. China

Manufacturing n°: Batch: S2022 (2000 pcs Red)
Year of construction: 2022
Manufacturer's brand / mark: ECS/ZS

10	Chamber	Inside cylinder		
11	Permissible working pressure Bar (PS)	18.8		
12	Permissible working temperature °C (TS)	-30°C / +60°C		
13	Capacity Litre (V)	1.400		
14	Contents (medium)	Extinguishing medium		

TECHNICAL DOCUMENTATION INCLUDING

- 16 - General description.
- 17 - Hazard analysis.
- 18 - Description and explanation necessary for the understanding of the drawing and the operation of the pressure equipment.
- 19 - Drawing: F0208A Rev.2
- 20 - Calculation notes.
- 21 - Permanent joining (welding, brazing...).
- 22 - User manual.
- 23 - Listing of the used harmonised standards.
- 24 - Quality plan.
- 25 - Particular material appraisal.

Yes	No	NA
☒	☐	
☒	☐	
☒	☐	☐
☒	☐	
☐	☐	☒
☒	☐	
☒	☐	☐
☒	☐	
☒	☐	☐

NA = not applicable

EU type examination certificate production type in accordance with module B: 13/UK/3211-4 REV. 1

CONSTRUCTION INSPECTION

Date(s): 2022.03.16

The main parts of the equipment(s) have been inspected in accordance with the technical documentation.

28 Verification was satisfactory ☒ ☐
29 **PRESSURE TEST** Date(s): 2022.12.27 to 30 Pressure test(s) was / were satisfactory ☒ ☐

30	Chamber	Inside cylinder		
31	Test pressure Bar (PT)	27		
32	Pressurising fluid	Water		

OTHER TESTS (e.g., radiography)

See page 2 of this report.

REMARKS

35 The final assembly(ies) must be verified following the requirement of the directive (only valid for components which will be part of an assembly).

36 Purchaser / user: E.C.S MIDLANDS LIMITED
Unit 38B Thornleigh Trading Estate. Blowers Green Road
Dudley, West Midlands, DY2 8UB, United Kingdom

37 If all "yes": The results of the different examinations were satisfactory. The bodies are marked C 0029 on the bottom.

38 If presence of "no": The equipment will be subject to a further approval date foreseen on: _____ / _____ / _____

39 Location: Brussels Date: 2022.03.29

Appendix:

Drawings: See below
Material certificates: See below
Other documents: See below
Declaration of conformity:

25/04/2022
Approved by:
Eng. F. Yernaux

Results of testing model F0208 A-P (2000 pieces)

(Re-tests performed by and in APRAGAZ laboratory.)

Model F0208 A-P Batch No. S2022	Crush test	Hydraulic test at 27 bar	Burst test > 55 bar	Remarks
S2022 Body No. 1	OK	Satisfactory	58.2	Crushed + burst = OK
S2022 Body No. 2	OK	Satisfactory	57.7	Crushed + burst = OK
S2022 Body No. 3	OK	Satisfactory	56.2	Crushed + burst = OK
S2022 Body No. 4	N.A.	Satisfactory	64.8	Burst = OK

Marking: -30°C +60°C ZS PT 27 BAR PS 18.8 BAR CE 0029 S2022 ECS

Note:

Bodies No. 1 to 3 were submitted to a crush test followed by a burst test.

Body No. 4 was submitted to a burst test only.

Results: satisfactory

Dimensional examination

1 cylinder (body No. 5 from batch S2022) was taken for a dimensional check.
(The body was cut in half in the longitudinal direction.)

Batch S2022 Model F0208 A-P	Nominal diameter mm	Measured diameter mm	Nominal wall thickness mm	Measured wall thickness mm	Nominal bottom thickness mm	Measured bottom thickness mm	Nominal length mm	Measured length mm	Empty weight kg	F.O.W. kg	Vol. l
Body No. 5	89.99 +/- 0.5	89.00	1.35	1.47 to 1.55	2.03	3.23	274.98 +/- 1.0	276.00	0.413	1.824	1.411

Visual examination performed on the received samples.

Results: satisfactory

Note:

For this order a total of 2000 pieces were produced and were painted in the RED colour.

Pictures of the tested cylinders

