Technical Report

ISO/TR 17329

Gas cylinders — Identification of gas cylinder manufacturer marks and their assigned radio frequency identification (RFID) codes

Bouteilles à gaz — Identification des marques de fabricant de la bouteille de gaz et leurs codes d'identification (RFID) de fréquences radio

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Foreword

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The procedures used to develop this document and those intended for its further maintenance are described in the ISO/IEC Directives, Part 1. In particular, the different approval criteria needed for the different types of ISO documents should be noted. This document was drafted in accordance with the editorial rules of the ISO/IEC Directives, Part 2 (see www.iso.org/directives).

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For an explanation of the voluntary nature of standards, the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the World Trade Organization (WTO) principles in the Technical Barriers to Trade (TBT), see www.iso.org/iso/foreword.html.

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This document was prepared by Technical Committee ISO/TC 58, *Gas cylinders*, Subcommittee SC 4, *Operational requirements for gas cylinders*.

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This second edition cancels and replaces the first edition (ISO/TR 17329:2015), which has been technically revised.

The main changes are as follows:

— Removal of Annex B and Annex C.

Any feedback or questions on this document should be directed to the user’s national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

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Introduction

The purpose of this document is to provide the gas cylinder manufacturing industry, the approval authorities, the inspection bodies, the gas industry and all associated industry branches dealing with gas cylinders a tool for identifying gas cylinders with their manufacturer's marks and their assigned radio frequency identification (RFID) codes.

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Gas cylinders — Identification of gas cylinder manufacturer marks and their assigned radio frequency identification (RFID) codes

1 Scope

This document provides an inventory, as far as known at time of publication, of manufacturer's identification marks and their assigned radio frequency identification (RFID) codes according to ISO 21007-1 and ISO 21007-2. The listing includes marks of existing gas cylinder manufacturers, as well as cylinder manufacturers which have ceased production in the past, but whose cylinders can still be in service today.

NOTE It is intended to revise Annex A of this document from time to time to update the list of codes and identification marks of gas cylinder manufacturers in accordance with the progressing commercial and economic development in the cylinder manufacturing industry.

2 Normative references

There are no normative references in this document.

3 Terms and definitions

No terms and definitions are listed in this document.

ISO and IEC maintain terminology databases for use in standardization at the following addresses:

— ISO Online browsing platform: available at https://www.iso.org/obp

— IEC Electropedia: available at https://www.electropedia.org/

4 General

There is a general marking requirement by national or international regulations and standards to identify gas cylinders with the cylinder manufacturer's identification (name, trademark and/or logo), e.g. by stamp marking, or for composite cylinders, by labelling, to guarantee their traceability. In certain circumstances, it is very important to enable a distinctive identification of the origin of the cylinder. Normally for a given manufacturer, the identification is specific to a manufacturing location.

When, in addition to the above marking requirements, the cylinders are identified by radio frequency identification (RFID) codes, the technologies and RFID codes in accordance with ISO 21007 series are used. The first three digits of the RFID codes listed in Column 1 of Annex A are the country code as listed in ISO 3166-1. The subsequent two digits are assigned consecutively in the country's listing. Once assigned, the RFID code designation does not change.

Annex A lists cylinder manufacturers by countries which are currently known to produce or have produced gas cylinders. The list does not claim to be complete and is valid only as of the date of the publication of this document. Manufacturers that no longer produce cylinders remain listed in Annex A as their cylinders can still be in service and need to be identified.

It is expected that the manufacturers are using manufacturer's marks which identify unambiguously the manufacturing plant/facility to clearly identify the plant to which the type approval of the concerned cylinder was assigned. Annex A indicates the date when the manufacturing at the old plant/facility ends and the date when the new plant/facility begins manufacturing cylinders. Names of manufacturers can

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have changed over time; however, these manufacturers can have continued using the same manufacturer's mark provided the approval criteria for the cylinders in question have not changed. Vice versa, a change of the manufacturer's mark can have taken place or alternative marks can be used by one and the same manufacturer.

Clause 5 explains the information provided in each column of Annex A.

5 Explanation of columns

The column entitled "Code" designates the RFID code for a manufacturer.

The column entitled "Manufacturer name" designates the official name of the gas cylinder manufacturer. The name can have changed over time.

The column entitled "Location of manufacturing plant/facility" designates the plant/facility responsible for manufacturing and to which the mark is assigned.

The column entitled "Year(s) of manufacture" designates the years for which the manufacturer's mark(s) were used, if known.

For example,

— "→ 1927" means the mark was used inclusive of 1927,

— "1927 → 1961" means the mark was used from some time in 1927 to some time during 1961, and

— "2002 →" means the mark has been used starting some time during 2002 to present.

The column entitled "Manufacturer's mark" provides the official manufacturer's identification that is marked on the cylinder as specified by ISO 13769 (stamp marking 3 in ISO 13769:2018, Table 1).

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Country: XXXXX				
Code	**Manufacturer name**	**Location of manufacturing plant/facility**	**Year(s) of manufacture**	**Manufacturer's mark**

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Annex A
(informative)

List of codes and identification marks for gas cylinder manufacturers

The following list does not claim to be complete and is current as of 30 April 2024.

Country: ALGERIA				
Code	**Manufacturer name**	**Location of manufacturing plant/facility**	**Year(s) of manufacture**	**Manufacturer's mark**
012 01	F.E.R.A.P. (Fabrication et entretien de récipients à pression)	Algiers		

Country: ARGENTINA				
Code	**Manufacturer name**	**Location of manufacturing plant/facility**	**Year(s) of manufacture**	**Manufacturer's mark**
032 01	L'Air Liquide	Buenos Aires		
			1960 → 1985	
032 02	Drago	Buenos Aires	1938 →	
032 03	Fabricacion Militar			
032 04	Gas Carbonic Argentina			G.C.A.
032 05	Gonzalez & Chiesa Changed to Inflex Argentoil S.A.	San Luis	1967 →	INFLEX 
032 06	Pablo Casale		1958 → 1986	CASALE
032 07	Saravia Y Lopez	Buenos Aires	→ 1993	
032 08	Oxi — Luz			
032 09	Acetylene	Buenos Aires	1972 → 1992	
032 10	Miguel Balbona			M.R.B.
032 11	R. Batalles S.A.	Buenos Aires	1944 →	YUKON

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