TECHNICAL REPORT

ISO/TR 17329

First edition
2015-11-01

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

Reference number
ISO/TR 17329:2015(E)

© ISO 2015



COPYRIGHT PROTECTED DOCUMENT

© ISO 2015, Published in Switzerland

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized otherwise in any form or by any means, electronic or mechanical, including photocopying, or posting on the internet or an intranet, without prior written permission. Permission can be requested from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Ch. de Blandonnet 8 • CP 401
CH-1214 Vernier, Geneva, Switzerland
Tel. +41 22 749 01 11
Fax +41 22 749 09 47
copyright@iso.org
www.iso.org

Contents

Page

Foreword ..... **iv**
Introduction ..... **v**
1 Scope **1**
2 General **1**
3 Explanation of columns **2**
Annex A (informative) **List of codes and identification marks for gas cylinder manufacturers** **3**
Annex B (informative) **Instructions to revise list of manufacturer marks** **33**
Annex C (informative) **Current list of codes and identification marks for gas cylinder manufacturers** **34**
Bibliography **35**

© ISO 2015 – All rights reserved

Foreword

ISO (the International Organization for Standardization) is a worldwide federation of national standards bodies (ISO member bodies). The work of preparing International Standards is normally carried out through ISO technical committees. Each member body interested in a subject for which a technical committee has been established has the right to be represented on that committee. International organizations, governmental and non-governmental, in liaison with ISO, also take part in the work. ISO collaborates closely with the International Electrotechnical Commission (IEC) on all matters of electrotechnical standardization.

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).

Attention is drawn to the possibility that some of the elements of this document may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights. Details of any patent rights identified during the development of the document will be in the Introduction and/or on the ISO list of patent declarations received (see www.iso.org/patents).

Any trade name used in this document is information given for the convenience of users and does not constitute an endorsement.

For an explanation on the meaning of ISO specific terms and expressions related to conformity assessment, as well as information about ISO's adherence to the WTO principles in the Technical Barriers to Trade (TBT) see the following URL: Foreword - Supplementary information

The committee responsible for this document is ISO/TC 58, *Gas cylinders*, Subcommittee SC 4, *Operational requirements for gas cylinders*.

© ISO 2015 – All rights reserved

Introduction

The purpose of this Technical Report 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.

© ISO 2015 – All rights reserved

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

1 Scope

This Technical Report 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 Technical Report from time to time in order 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.

Any request for inclusion or modification of these identifications is to be made to the ISO/TC 58/SC 4 Secretariat, who would update the information in Annex A after consultation with the committee leadership.

2 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, in order 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 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 Technical Report. Manufacturers that no longer produce cylinders remain in Annex A as their cylinders could 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 clearly 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 may have changed over time; however, these manufacturers may 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 may have taken place or alternative marks may be used by one and the same manufacturer.

Clause 3 explains the information provided in each column of Annex A.

To provide updates to the list of manufacturers, use the link provided in Annex B for instructions to submit new/revised information. These revisions, once approved by ISO/TC 58/SC 4 and designated with an RFID code, will be provided on Standards Maintenance Portal at the link provided in Annex C.

© ISO 2015 – All rights reserved