

This is a preview of "ISO 13293:2012". [Click here to purchase the full version from the ANSI store.](#)

First edition
2012-11-01

Recreational diving services — Requirements for gas blender training programmes

Services relatifs à la plongée de loisirs — Exigences relatives aux programmes de formation à la préparation des mélanges gazeux



Reference number
ISO 13293:2012(E)

© ISO 2012

This is a preview of "ISO 13293:2012". [Click here to purchase the full version from the ANSI store.](#)



COPYRIGHT PROTECTED DOCUMENT

© ISO 2012

All rights reserved. Unless otherwise specified, no part of this publication may be reproduced or utilized in any form or by any means, electronic or mechanical, including photocopying and microfilm, without permission in writing from either ISO at the address below or ISO's member body in the country of the requester.

ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

Published in Switzerland

This is a preview of "ISO 13293:2012". [Click here to purchase the full version from the ANSI store.](#)

Contents

Page

Foreword	iv
Introduction	v
1 Scope	1
2 Normative references	1
3 Terms and definitions	1
4 Competencies of gas blenders	2
5 Theoretical knowledge	3
5.1 Purpose of gas blender training	3
5.2 Gas blending and delivery methods	3
5.3 Gases and gas blends	3
5.4 Considerations for elevated oxygen levels	4
5.5 Cylinder marking and handling	5
5.6 Gas analysis and record keeping	5
5.7 Gas blending calculations	5
6 Practical skills	5
7 Gas blender instructors	6
8 Qualification	6
Annex A (informative) Background information for gas blender training programmes	7
Bibliography	8

This is a preview of "ISO 13293:2012". [Click here to purchase the full version from the ANSI store.](#)

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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 2.

The main task of technical committees is to prepare International Standards. Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

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.

ISO 13293 was prepared by Technical Committee ISO/TC 228, *Tourism and related services*.

This is a preview of "ISO 13293:2012". [Click here to purchase the full version from the ANSI store.](#)

Introduction

The requirements specified in this International Standard are minimum requirements; they do not preclude the provision of additional training or the assessment by a service provider of additional competencies. This International Standard represents a tool for comparison of existing (or future) qualifications of gas blenders who want to mix gases for diving purposes.