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**Pneumatic fluid power — Compressed-air  
lubricators —**

Part 1:

**Main characteristics to be included in  
supplier's literature and product-marking  
requirements**

*Transmissions pneumatiques — Lubrificateurs pour air comprimé —*

*Partie 1: Principales caractéristiques à inclure dans la documentation  
du fournisseur et exigences de marquage du produit*



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## Foreword

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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 6301-1 was prepared by Technical Committee ISO/TC 131, *Fluid power systems*, Subcommittee SC 5, *Control products and components*.

This third edition cancels and replaces the second edition (ISO 6301-1:1997), which has been technically revised.

ISO 6301 consists of the following parts, under the general title *Pneumatic fluid power — Compressed-air lubricators*:

- *Part 1: Main characteristics to be included in supplier's literature and product-marking requirements*
- *Part 2: Test methods to determine the main characteristics to be included in supplier's literature*

## Introduction

In pneumatic fluid power systems, power is transmitted and controlled through air under pressure within a circuit. Where lubrication of the air media is desired, compressed-air lubricators are components designed to introduce the required quantity of lubricant into the air stream.

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# Pneumatic fluid power — Compressed-air lubricators —

## Part 1: Main characteristics to be included in supplier's literature and product-marking requirements

### 1 Scope

This part of ISO 6301 specifies which characteristics of compressed-air lubricators are to be included in the supplier's literature.

It also specifies product-marking requirements for lubricators.

This part of ISO 6301 applies to compressed-air lubricators constructed from light alloys (e.g. aluminium), zinc die cast alloys, brass, steel and plastic, with a rated pressure of 1 600 kPa (16 bar<sup>1)</sup>) and a maximum rated temperature of 80 °C.

### 2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 7-1, *Pipe threads where pressure-tight joints are made on the threads — Part 1: Dimensions, tolerances and designation*

ISO 1179-1, *Connections for general use and fluid power — Ports and stud ends with ISO 228-1 threads with elastomeric or metal-to-metal sealing — Part 1: Threaded ports*

ISO 2944, *Fluid power systems and components — Nominal pressures*

ISO 5598, *Fluid power systems and components — Vocabulary*

ISO 6301-2:2006, *Pneumatic fluid power — Compressed-air lubricators — Part 2: Test methods to determine the main characteristics to be included in supplier's literature*

ISO 16030, *Pneumatic fluid power — Connections — Ports and stud ends*

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1) 1 bar = 100 kPa = 10<sup>5</sup> Pa.