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Third edition
2017-11

Pneumatic fluid power — Compressed air filters —

Part 1:

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

Transmissions pneumatiques — Filtres pour air comprimé —

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



Reference number
ISO 5782-1:2017(E)

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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).

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This document 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 5782-1:1997), which has been technically revised.

The main changes compared to the previous edition are as follows:

- [4.2.2](#) has been modified to include common port forms described in [Annex A](#);
- [4.4](#) has been added for optional filter efficiency and reference to air purity in [Annex B](#);
- [Annex A](#) has been added which describes the port forms from ISO 1179:1981;
- [Annex B](#) has been added describing codes for air purity from ISO 8573-1 with typical applications.

A list of all parts in the ISO 5782 series can be found on the ISO website.

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Introduction

In pneumatic fluid power systems, power is transmitted and controlled through air under pressure within a circuit. Where mechanical filtration of the air media is desired, filters are components designed to remove solid and liquid contaminants from compressed air.