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**Pneumatic fluid power — Five-port  
directional control valves —**

**Part 1:  
Mounting interface surfaces without  
electrical connector**

*Transmissions pneumatiques — Distributeurs à cinq orifices principaux —*

*Partie 1: Plans de pose sans connecteur électrique*

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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.

International Standards are drafted in accordance with the rules given in the ISO/IEC Directives, Part 3.

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 part of ISO 5599 may be the subject of patent rights. ISO shall not be held responsible for identifying any or all such patent rights.

International Standard ISO 5599-1 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 5599-1:1989), which has been technically revised.

ISO 5599 consists of the following parts, under the general title *Pneumatic fluid power — Five-port directional control valves*:

- *Part 1: Mounting interface surfaces without electrical connector*
- *Part 2: Mounting interface surfaces with optional electrical connector*
- *Part 3: Code system for communication of valve functions*

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## Introduction

In pneumatic fluid power systems, power is transmitted and controlled through a gas under pressure circulating within a circuit.

The various devices for gas distribution and control can be either mounted directly onto the piping, or mounted on interface surfaces to allow quicker dismantling and to promote equipment interchangeability.

Pneumatic directional control valves of the five-port, four-way type, as used on mounting interface surfaces complying with the requirements of this part of ISO 5599, control the flow of compressed gas.

Standardization of port and orifice identification, the result of control-mechanism actuation and a system of dimensional tolerances are provided to enhance mounting interchangeability of pneumatic control valves used on the mounting surfaces complying with the requirements of this part of ISO 5599.

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