



BSI Standards Publication

Pneumatic fluid power — Directional control valves — Measurement of shifting time

National foreword

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The UK participation in its preparation was entrusted to Technical Committee MCE/18/-/5, Control components.

A list of organizations represented on this committee can be obtained on request to its committee manager.

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Pneumatic fluid power — Directional control valves — Measurement of shifting time

*Transmissions pneumatiques — Distributeurs de commande
directionnels — Mesure du temps de basculement*



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Foreword

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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 second edition cancels and replaces the first edition (ISO 12238:2001), which has been technically revised.

The main changes are as follows:

- the Scope has been extended to include monostable and bistable valves with two or three shifting position functions;
- extensions to the concept of shifting time measurement by addition of specifications for tests when shifting into non-exhausting positions have been added;
- consistency with other International Standards such as the ISO 6358 series has been improved;
- references to state-of-the-art test equipment and procedures have been updated.

Any feedback or questions on this document should be directed to the user's national standards body. A complete listing of these bodies can be found at www.iso.org/members.html.

Introduction

In pneumatic fluid power systems, power is transmitted and controlled through a gas under pressure circulating within a circuit. In some applications, the designer of a fluid power system needs to know the time required to cause the valving elements in a pneumatic directional control valve to move and to generate an output signal.

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