

Method for

Determination of pressure drop/flow characteristics of hydraulic fluid power filters

[ISO title: Hydraulic fluid power — Filters — Evaluation of
pressure drop versus flow characteristics]

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This British Standard, having been prepared under the direction of the Mechanical Engineering Standards Committee, was published under the authority of the Board of BSI and comes into effect on 30 September 1982

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Contents

	Page
Cooperating organizations	Inside front cover
National foreword	ii
0 Introduction	1
1 Scope and field of application	1
2 References	1
3 Definitions	1
4 Symbols	1
5 Graphical symbols	1
6 Test equipment	1
7 Measurement	3
8 Test procedure	3
9 Presentation of results	4
10 Identification statement	6
Bibliography	7
Figure 1 — Example of a test circuit suitable for the measurement of pressure drop and flow rate	2
Figure 2 — Typical presentation of pressure drop versus flow rate curves and bypass leakage rates for a filter with an integral bypass valve	5
Table — Typical reporting method	4
Publications referred to	Inside back cover

National foreword

This British Standard, prepared under the direction of the Mechanical Engineering Standards Committee, describes a method for determining pressure and flow characteristics of industrial oil hydraulic fluid power filters. It is identical with ISO 3968 “*Hydraulic fluid power — Filters — Evaluation of pressure drop versus flow characteristics*”, published in 1981 by the International Organization for Standardization (ISO).

The following British Standard dealing with the testing of elements for hydraulic filters is in course of preparation.

BS 6275, *Hydraulic fluid power filter elements — Part 1 Method of test for evaluating filtration performance (multi-pass method)*.

For the purposes of this British Standard, the identification statement required by clause 10 should be replaced by the following:

“Determination of pressure drop/flow characteristics conducted in accordance with BS 6277.”

Terminology and conventions. The text of the International Standard has been approved as suitable for publication as a British Standard without deviation. Some terminology and certain conventions are not identical with those used in British Standards; attention is especially drawn to the following.

The comma has been used throughout as a decimal marker. In British Standards it is current practice to use a full point on the baseline as the decimal marker.

Wherever the words “International Standard” appear, referring to this standard, they should be read as “British Standard”.

In the footnote to 6.6, the term “Specific gravity” should be read as “Relative density”.

Cross-references

International Standard	Corresponding British Standard
ISO 1219:1976	BS 2917:1977 <i>Specification for graphical symbols used on diagrams for fluid power systems and components</i> (Identical)

ISO 2944:1974 is referred to in the bibliography for information only. The validity of this British Standard is therefore not affected by the fact that there is no British Standard equivalent to ISO 2944.

ISO 3448:1975, which is referred to in 6.6 a), is related to BS 4231 “*Viscosity classification for industrial liquid lubricants*”. The technical committee has examined the provisions of ISO 3448 and has decided that it is acceptable for use in conjunction with this standard.

ISO 4411¹⁾ is referred to in clause 2 for information only. BS 4062 “*Valves for hydraulic fluid power systems*” Part 1:1982 “*Method for determining pressure differential/flow characteristics*” corresponds to the proposals of ISO/DIS 4411.

NOTE *Typographical errors.* In clause 2, the entry for ISO 4411 should read “*Hydraulic fluid power — Valves — Method of determining pressure differential/flow characteristics.*”^{1), 2)}.

¹⁾ In course of preparation.

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Summary of pages

This document comprises a front cover, an inside front cover, pages i to iv, pages 1 to 8, an inside back cover and a back cover.

This standard has been updated (see copyright date) and may have had amendments incorporated. This will be indicated in the amendment table on the inside front cover.