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Hydraulic fluid power — Filters — Test method for differential pressure devices

*Transmissions hydrauliques — Filtres — Méthode d'essai pour les
indicateurs de colmatage*



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Foreword

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Introduction

In hydraulic fluid power systems, power is transmitted and controlled through a fluid under pressure within an enclosed circuit. Filters maintain fluid cleanliness by removing insoluble contaminants.

The filter element is the porous device that performs the actual process of filtration. The differential pressure device is an accessory that signals when a predetermined value of differential pressure across the filter element has been reached. It is normally used to signal when a restricted filter element should be replaced and, in cases where the device is linked to the bypass valve, signals the status of bypass valve condition.