

INTERNATIONAL STANDARD

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AMENDMENT 1
1998-08-15

Agricultural irrigation equipment — Pressure losses in irrigation valves — Test method

AMENDMENT 1

*Matériel agricole d'irrigation — Pertes de pression dans les vannes
d'irrigation — Méthode d'essai*

AMENDEMENT 1



Reference number
ISO 9644:1993/Amd.1:1998(E)

Foreword

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Amendment 1 to ISO 9644:1993 was prepared by Technical Committee ISO/TC 23, *Tractors and machinery for agriculture and forestry*, Subcommittee SC 18, *Irrigation and drainage equipment and systems*.

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Subclause 5.1

Replace the existing subclause with the following:

"Install the test specimen in a suitable circuit for testing valves, as shown in figure 1 or 2. Ensure that the water temperature during the test is between 5 °C and 35 °C."

Subclause 5.5

Replace the existing subclause with the following:

"Record pressure-loss readings for five flow-rates (unless otherwise specified in a specific standard). Ensure that these readings include pressure losses for the maximum flow-rate, q_{V1max} , the minimum flow-rate, q_{V1min} , and at least three intermediate flow-rates at approximately equal intervals between q_{V1max} and q_{V1min} . The flow-rate at approximately the midpoint of the range between q_{V1min} and q_{V1max} is referred to as the median flow-rate q_{V1med} . Conduct these tests at a pressure that brings about the full opening of the valve as determined by mechanical or hydraulic limitations inherent in the valve design."