
**Crop protection equipment —
Reciprocating positive displacement
pumps and centrifugal pumps — Test
methods**

*Matériel de protection des cultures — Pompes volumétriques
alternatives et pompes centrifuges — Méthodes d'essai*



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ISO copyright office
Case postale 56 • CH-1211 Geneva 20
Tel. + 41 22 749 01 11
Fax + 41 22 749 09 47
E-mail copyright@iso.org
Web www.iso.org

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Foreword

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Crop protection equipment — Reciprocating positive displacement pumps and centrifugal pumps — Test methods

1 Scope

This International Standard specifies test methods and the environmental conditions for evaluating the performance of positive displacement pumps and centrifugal pumps designed for crop protection equipment.

It is not applicable to pesticide metering pumps for injection systems.

2 Normative references

The following referenced documents are indispensable for the application of this document. For dated references, only the edition cited applies. For undated references, the latest edition of the referenced document (including any amendments) applies.

ISO 5681, *Equipment for crop protection — Vocabulary*

3 Terms and definitions

For the purposes of this document, the terms and definitions given in ISO 5681 and the following apply.

3.1

suction pressure

pressure at the suction fitting of the pump

3.2

reference suction pressure

pressure at the suction fitting of the pump, taking into account the pressure drop that is present when the pump is installed on the sprayer

3.3

delivery pressure

pressure at the delivery fitting of the pump

3.4

rated pressure

maximum pressure at which the pump can be used continuously when installed on the sprayer, as declared by the manufacturer

3.5

rotating speed

number of revolutions of the pump shaft in the considered time interval

3.6

volumetric flow rate

volume of the testing liquid that flows through the pump

3.7

power consumption

power given to the pump by the power source, measured at the inlet shaft of the pump

3.8

adjustment valve

valve for adjusting the liquid flow