
**Gas welding equipment — Air-aspirated
hand blowpipes — Specifications and tests**

*Équipement de soudage aux gaz — Chalumeaux manuels aéro-gaz à air
aspiré — Spécifications et essais*



Foreword

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Draft International Standards adopted by the technical committees are circulated to the member bodies for voting. Publication as an International Standard requires approval by at least 75 % of the member bodies casting a vote.

International Standard ISO 9012 was prepared by ISO Technical Committee, ISO/TC 44, *Welding and allied processes*, Subcommittee SC 8, *Equipment for gas welding, cutting and allied processes*.

This second edition cancels and replaces the first edition (ISO 9012:1988) which has been technically revised.

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1 Scope

This International Standard specifies the requirements and test methods for air-aspirated hand blowpipes.

This International Standard applies to blowpipes for brazing, soldering, heating, fusion and other allied thermal processes, which use a fuel gas and aspirated air (injector-type blowpipes), and are intended for manual use.

This International Standard is applicable to:

- air-aspirated hand blowpipes which are fed with a fuel gas in the gaseous phase, at a controlled pressure by a regulator, through a gas supply hose;
- air-aspirated hand blowpipes which are fed with a liquefied fuel gas in the gaseous phase at the container pressure, through a gas supply hose;
- so-called liquid-phase blowpipes which are fed with a fuel gas in the liquid phase, and where thermal evaporation takes place within the blowpipe.

It does not apply to blowpipes in which the fuel gas leaves the injector in the liquid phase, or to so-called "cartridge" blowpipes where the gas supply is fixed directly on to the blowpipe and possibly constitutes the shank.

NOTE The drawings shown in this International Standard are given for information only, to facilitate explanation of the terms. They do not specify the construction details which are left to the discretion of the manufacturer.

2 Normative References

The following standards contain provisions which, through reference in this text, constitute provisions of this International Standard. At the time of publication, the editions indicated were valid. All Standards are subject to revision, and parties to agreements based on this International Standard are encouraged to investigate the possibility of applying the most recent editions of the standards indicated below. Members of IEC and ISO maintain registers of currently valid International Standards.

ISO 554:1976, *Standard atmospheres for conditioning and/or testing – Specifications*.

ISO 3253:—¹⁾, *Gas welding equipment – Hose connections for equipment for welding, cutting and allied processes*.

ISO 9090:1989, *Gas tightness of equipment for gas welding and allied processes*.

ISO 9539:1988, *Materials for equipment used in gas welding, cutting and allied processes*.

¹⁾ To be published. (Revision of ISO 3253:1975)