

Indian Standard

MEDICAL SUCTION EQUIPMENT

PART 3 SUCTION EQUIPMENT POWERED FROM A VACUUM OR PRESSURE SOURCE

1 Scope

This part of ISO 10079 specifies safety and performance requirements for medical suction equipment powered from a vacuum or pressure source (see Figure 1). In particular it applies to connections for pipelines and Venturi attachments.

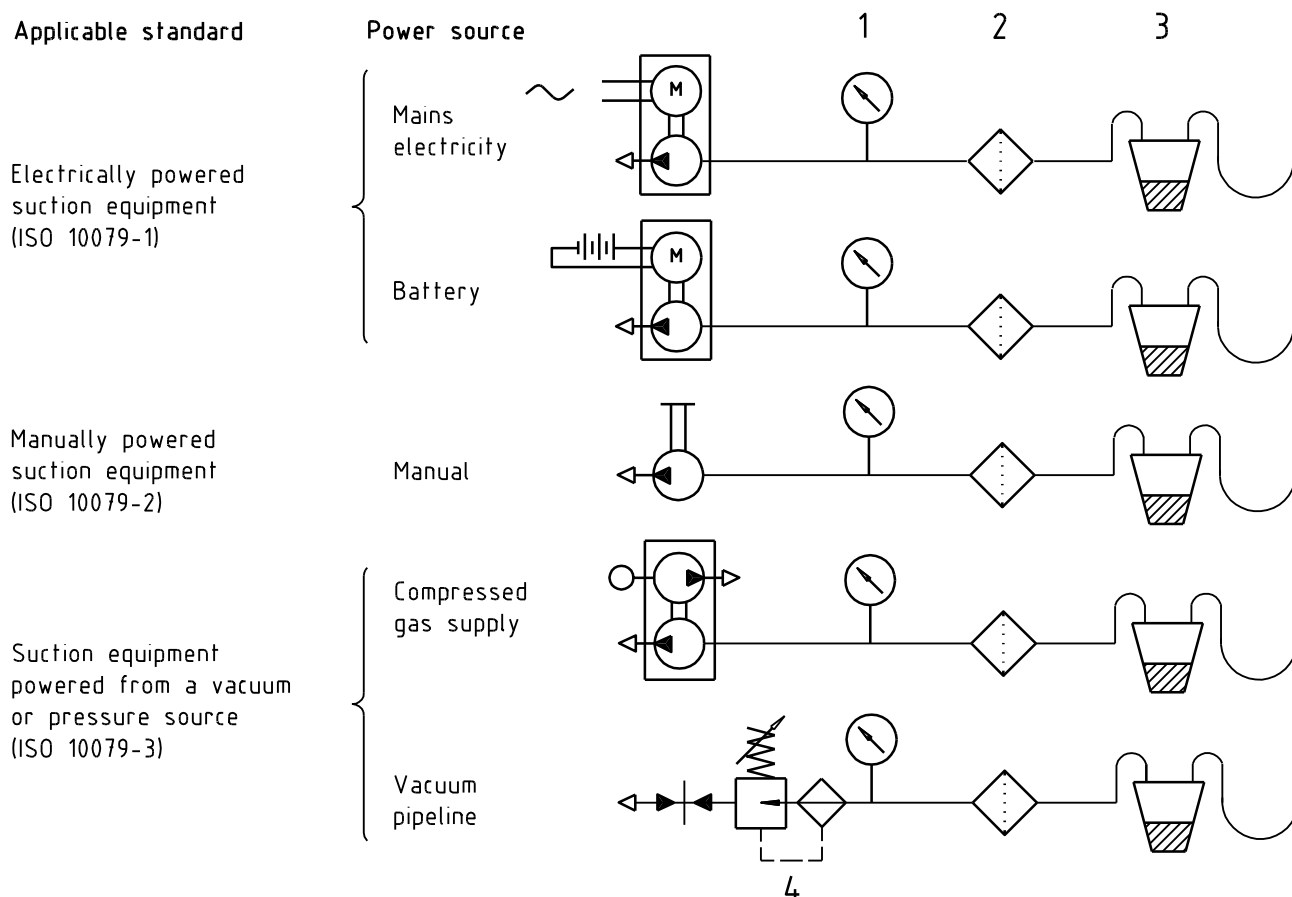
Suction equipment with components controlled by electrical means, e.g. electronic timing, may also need to comply with IEC 60601-1.

This part of ISO 10079 does not apply to electrically powered suction equipment, whether mains electricity or battery-powered, which is dealt with in ISO 10079-1, nor to manually powered suction equipment which is dealt with in ISO 10079-2, nor to the following:

- a) central power supply (by vacuum/compressed air generation), piping systems of vehicles and buildings, and wall connectors;
- b) catheter tubes, drains, curettes and suction tips;
- c) syringes;
- d) dental suction equipment;
- e) waste gas scavenging systems;
- f) laboratory suction;
- g) autotransfusion systems;
- h) passive urinary drainage;
- i) closed systems for wound drainage;
- j) gravity gastric drainage;
- k) orally operated mucous extractors;
- l) suction equipment where the collection container is downstream of the vacuum pump;
- m) equipment marked as suction unit for permanent tracheostomy;
- n) ventouse (obstetric) equipment;
- o) neonatal mucous extractors;
- p) breast pumps;
- q) liposuction;
- r) uterine aspiration.

(PREVIEW)

IS/ISO 10079-3 : 1999



Key

- 1 Vacuum indicator
- 2 Filter
- 3 Collection container
- 4 Vacuum regulator

NOTE 1 ISO 10079-1 applies to mains electricity and battery-powered suction equipment. ISO 10079-2 applies to manually powered suction equipment. ISO 10079-3 applies to suction equipment powered from a vacuum or pressure source.

NOTE 2 Components illustrated are not necessarily required by this part of ISO 10079.

NOTE 3 Suction equipment shown is an example only, and actual systems may consist of other arrangements and components not illustrated.

Figure 1 — Schematic drawing of suction equipment

2 Normative references

The following normative documents contain provisions which, through reference in this text, constitute provisions of this part of ISO 10079. For dated references, subsequent amendments to, or revisions of, any of these publications do not apply. However, parties to agreements based on this part of ISO 10079 are encouraged to investigate the possibility of applying the most recent editions of the normative documents indicated below. For undated references, the latest edition of the normative document referred to applies. Members of ISO and IEC maintain registers of currently valid International Standards.

ISO 3744:1994, Acoustics — Determination of sound power levels of noise sources — Engineering methods for free-field conditions over a reflecting plane

ISO 5356-1:1996, Anaesthetic and respiratory equipment — Conical connectors — Part 1: Cones and sockets

ISO 5359:1989, Low-pressure flexible connecting assemblies (hose assemblies) for use with medical gas systems

(PREVIEW)

IS/ISO 10079-3 : 1999

ISO 8836:1997, Suction catheters for use in the respiratory tract

ISO 10079-1:1999, Medical suction equipment — Part 1: Electrically powered suction equipment — Safety requirements.

IEC 60601-1:1988, Medical electrical equipment — Part 1: General requirements for safety ; Amd. 1:1991 and Amd. 2:1995.

IEC 60651:1979, Sound pressure meters