



Area of application: basic principles

Checklist for requirements relating to blow guns and compressed-air couplings for type examinations according to the Federal Law on Product Safety (PrSL)

Accredited Certification Body SCESp 0008
European notified body,
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**Checklist for requirements relating to blow guns
and compressed-air couplings for type examinations
according to the Federal Law on Product Safety (PrSL)**

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Customer:

Order number:

1. Details of the product

1.1 Product

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.....
.....

1.2 Make

.....
.....
.....

1.3 Type designation or series

.....
.....
.....

2. Blow guns

2.1 Requirement for the avoidance of noise that can damage the hearing

The maximum permissible average pressure sound level L_{eq} is 85 dB(A).

At least **one** of the requirements listed must be met.

- The use of pressure reduction valves integrated into the blow gun. I.e. the blow gun output pressure is independent of the input pressure.
- The use of multi-hole nozzles that separate the air into several individual jets.
- Other solution:

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Verification:

Comments:

Approved

Not approved

Signed:

2.2 Requirement for the prevention of air entering the body

At least **one** of the requirements listed must be met.

- The use of multi-hole nozzles, which separate the air output into individual jets. It must not be possible to close all the air holes simultaneously with one hand.
- Meaningful design of the nozzle. This prevents the full network pressure from impinging directly on the skin when the nozzle of the blow gun touches parts of the body.
- The use of pressure reduction valves integrated into the blow gun. I.e. the output pressure is independent of the input pressure. The maximum permissible blowing pressure is 3.5 bar.
- Other solution:

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Verification:

Comments:

Approved

Not approved

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2.3 Requirement for the prevention of parts of the blow gun being violently expelled

- Burst test substantiated in accordance with §3.6 of CE13-2 (for blow guns made of synthetic material).
- All components, e.g. nozzle/tube, etc., are firmly connected to the blow gun (at least bonded together).

Verification:

Comments:

Approved

Not approved

Signed:

2.4 General requirements for blow guns

- Clearly identifiable (make and type designation) and durably affixed
- No sharp edges or clamping points
- Nozzle/tube, etc. firmly connected to the blow gun (at least bonded together)
- It must not be possible to close the air holes of multi-hole nozzles simultaneously with the fingers of one hand
- Safety components (e.g. nozzle) not easily removable

Verification:

Comments:

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3. Compressed-air couplings

3.1 Requirements for the prevention of blowback when connecting and disconnecting compressed-air couplings

At least **one** of the requirements listed must be met.

- The supply of compressed air is interrupted by the action of uncoupling and the connection hose is vented. The coupling may only release the connection hose when the pressure in the hose has fallen to a safe value (≤ 1.5 bar) or a second action on the part of the operator is required for the release of the connection hose (e.g. pressing or twisting, i.e. a two-stage uncoupling process).
- Compressed-air couplings on which the connection hose can only be removed when it is not under pressure.
- Plug-in nipples that block and slowly reduce the pressure in the hose immediately when uncoupled.
- Other solution:

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Verification:

Comments:

Approved

Not approved

Signed:

3.2 Requirement for the avoidance of noise that can damage the hearing

The maximum permissible average pressure sound level L_{eq} is 85 dB(A).

Verification:

Comments:

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Not approved

Signed:

3.3 General requirements for compressed-air couplings

- Clearly identifiable (make and type designation) and durably affixed
- No sharp edges or clamping points
- The face must not be exposed to a powerful jet of air during normal uncoupling operations.
- When holding the coupling during the uncoupling process, no more than half of the air outlet apertures can be closed by the hand.

Verification:

Comments:

Approved

Not approved

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4. Technical documentation and type

- Assembly drawings and safety-related single-part drawings
- Operating and maintenance instructions as well as brochures in the official Swiss language of the part of the country in which the product is expected to be used (PrSO, Article 8)
- Test report (protocol with date and signature) confirming that the requirements according to CE-13-2 have been met.
- A type corresponding to the technical documentation. A minimum of one unit of each type was submitted.

Verification:

Comments:

Technical documentation approved *Technical documentation not approved*

Type approved

Type not approved

Signed:

	<i>Place:</i>	<i>Date:</i>	<i>Signature:</i>	<i>Signed:</i>
<i>Safety expert:</i>
<i>Safety expert consulted:</i>
