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1 Purpose

This LESER Global Standard (LGS) provides instructions on cleaning LESER safety valves. The required work steps and materials are described.

2 Scope

This document must be applied when cleaning safety valves in agencies and subsidiaries of LESER GmbH & Co. KG.

3 Disclaimer

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4 Qualified fitting personnel

LESER safety valves may only be cleaned by trained or qualified fitters. The qualifications must be obtained through the appropriate training measures.

5 General Information



- Gloves must be worn during the entire cleaning process (except for stainless steel and painted valves).
- Wear safety glasses.

6 Cleaning repaired valves

6.1 Blast cleaning

Stainless steel valves - glass bead blast cleaning

Cast steel - sand or bead blast cleaning

The body and bonnet must be blasted from the **inside and outside** for as long as it takes to remove all residual paint, rust or other soiling.



Caution: Protect the seat sealing surface and working surfaces, otherwise they will be damaged.



Figure 6.1-1: Flange covering, plastic



Figure 6.1-2: Flange covering, sticker

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6.2 Brushing

The inside parts and inside of the body and bonnet are to be cleaned with a wire-cup brush and drill / pneumatic grinder until they are clean - until all soiling is removed.

! Caution: Protect the seat sealing surface and working surfaces, otherwise they will be damaged.

6.3 Washing

When washing, make sure that **all parts** that belong to **one repaired safety valve** are washed together. When filling the washing machine, make sure that the washing medium can flow out of the bodies, bonnets and caps / levers without any residue.



Figure 6.3-1

! The bodies must **always be placed on the lid section.**



Figure 6.3-2

WRONG



Figure 6.3-3

RIGHT

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Note: Any waste that occurs when cleaning must be disposed of according to the applicable rules and regulations of the respective country.

7 Handling the components

Generally, the wearing of gloves when handling cleaned and unpainted components is compulsory.

Such components must never be touched at any time without protection. This applies both to employees from the operating as well as administrative areas.



Figure 7-1

Wet gloves must be replaced with dry ones.

Damaged gloves that cannot exclude contact between the metal surface and skin must not be used.

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In particular

In particular, valves, especially the sealing surfaces on the flanges and also the interior areas, must not be touched **without** gloves, because these areas will not be protected even in later process steps by paint. Nor may spare parts be touched **without** gloves when unpainted and unpackaged.

7.1 Exceptions:

The requirement for gloves is removed in the following cases:

- assembly of Compact Performance valves (for process-related reasons)
- assembly of stainless steel valves (no danger of corrosion)

It is also mandatory to wear gloves in the initially mentioned cases when performing the order picking for spare parts.

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7.2 Process overview

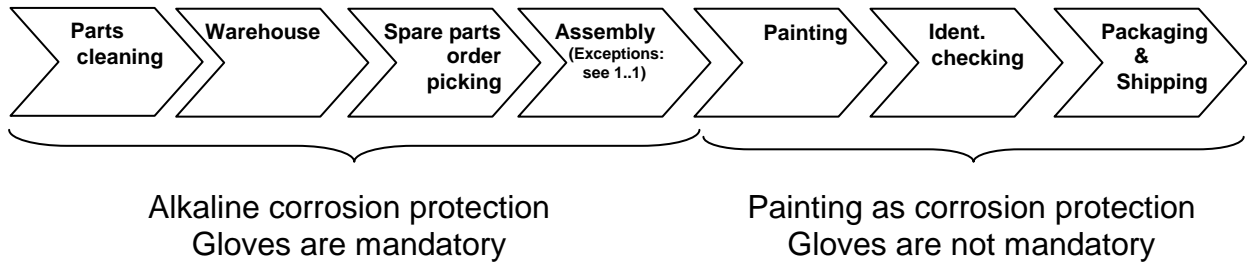


Figure 7.1-1

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