

INFORMATION

SERTO services US/OX/SI – cleaning and lubrication

Some fields of application for SERTO tube unions and valves are subject to strict cleanliness requirements. SERTO offers the following options:

- **US** cleaned in an ultrasonic bath, unlubricated
- **OX** cleaned in an ultrasonic bath, lubricated for oxygen systems
- **SI** cleaned in an ultrasonic bath, lubricated with a silicone-free lubricant for use in combination with paints and lacquers

The components undergo a multi-stage cleaning process and are then assembled in a clean room, lubricated if necessary and packaged. All cleaning agents and lubricants are free from animal substances according to ADI/TSE/BSE (EMA/410/01).

Service	Cleaning/Packing	Lubrication
US	Ultrasonically cleaned according to ASTM G93 Level B Assembled in clean room/individually packed in sealed PE bags	None - to be lubricated by customer
OX		FOMBLIN M100 ⁽¹⁾ and/or TURMOXYGEN LCO 25 ⁽¹⁾ – both are BAM approved ⁽²⁾
SI		TURMOTEMP II/400 CL 2 ⁽¹⁾

(1) Contains PFAS

(2) Operating temperature at max. 60°C/Pressure max. 330 bar (Please observe pressure specifications for components as set out in the online shop).BAM advises against using 1.4571 for oxygen systems, owing to the Ti content. Safe, trouble-free operation requires that the entire system design be considered when selecting a product. The system designer and the user are responsible for the proper functioning of the products, their material compatibility, associated performance data and limits for use as well as for handling, operation, and maintenance in accordance with the regulations. A claim for damages against SERTO AG cannot be derived from this confirmation.

Compliance with the cleaning specifications is periodically checked by an external laboratory. The quality and purity of the rinsing baths and the cleanliness with regard to residues on the components are analysed. SERTO AG hereby confirms that the corresponding limit values of ≤ 33 mg/m2 TOC (Total Organic Carbon) are observed.

Frauenfeld, 24/09/2024



Michael Heusser
Head of Product Management



Claudio Temporal
Head of Quality and Environmental Mgmt.