



Compliance with International Standards

In recent years there has been increasing concern over safety and hygiene in the bio-pharmaceutical and food industries. This has led to numerous standards and legislation being written.

SSP pump ranges are available to meet standards and legislation as follows:

- ?? 3-A Design and Material Specifications (Centrifugal and Positive Rotary Lobe Pumps for Milk and Milk Products)
- ?? EHEDG Cleanability and Installation Guidelines
- ?? CE Compliance (Safety/Risk Assessment)
- ?? FDA Conforming
- ?? EN 10204 3.1.B Certified Material Traceability
- ?? EN 10204 2.2 Certificate of Conformity

3-A (Centrifugal and Positive Rotary Pumps for Milk and Milk Products)

This standard has the purpose of establishing and documenting the material, fabrication, and installation (where appropriate) requirements for the engineering design and technical construction files for all products, assemblies, and sub-assemblies supplied by the manufacturer.

The manufacturer has to be in compliance with the sanitary criteria found in 3-A Sanitary Standards or 3-A Accepted Practices. The 3-A Sanitary Standards and 3-A Accepted Practices are voluntarily applied as suitable sanitary criteria for dairy and food processing equipment.



Copies of the 3-A certificates for the Series S and X pumps are attached to this datasheet.

EHEDG

We are now seeing increased public awareness surrounding food hygiene and food manufacturers desire to improve product safety. With no European Community legislation available the European Hygienic Equipment Design Group (EHEDG) was formed. EHEDG aims to promote hygiene during the processing and packaging of food products. EHEDG objectives are to produce hygienic design guidelines that can be verified by standard test procedures. This requires a range of test procedures for a variety of equipment parameters including cleanability, pasteurisability, sterilisability and aseptic capability.



SSP Series X pumps with its dedicated vertical port orientation meet EHEDG cleanability and comply with EHEDG installation guidelines. The dedicated vertical port orientation also ensures that the pumps are protected against being changed to horizontal ports, which do not comply with EHEDG installation guidelines. These specify that the pump must be mounted with the ports in the vertical plane.

Represented By:

KGO Group Ltd.
www.kgogroup.com

1200 Speers Rd., #52
Oakville, ON
Canada L6L 2X4

The information contained herein is correct at the time of issue, but may be subject to change without prior notice



CE

The introduction of CE marking is to demonstrate to interested parties that goods or equipment with this mark comply with the appropriate directives of the European Community. The appropriate directives are those that are concerned with the design and manufacture of goods or equipment.

All SSP series of pumps are CE marked and conform to the machinery directive 89/392/EEC as amended by 91/368/EEC, 93/44/EEC and 93/68/EEC and other relevant directives

i.e. 'Electrical Equipment Low Voltage Directive 73/23/EEC' and 'Electromagnetic Compatibility Directive 89/336/EEC'.

Other applicable standards/specifications to which SSP pump Series comply are as follows:

- ?? EN292 Parts 1 and 2: 1991 Safety of Machinery - Basic concepts, general principles for design.
- ?? EN294: 1992 Safety distances to prevent danger zones being reached by the upper limbs.
- ?? EN60204 Part 1: 1993 Safety of Machinery - Electrical equipment of machines - specification for general requirements.
- ?? BS5304: 1988 Code of Practice for Safety of Machinery.
- ?? ISO9001: 1994 Quality Management System.



FDA

The Food and Drug Administration (FDA) in the USA is the enforcement agency of the United States Government for food, drug and cosmetics manufacturing. It is responsible for new material approvals, plant inspections and material recalls. In the USA, the 'Food, Drug and Cosmetic Act' requires food, drug and cosmetic manufacturers to prove that their products are safe. The FDA's primary purpose is to protect the public by enforcing this Act.

For the SSP Series S, X and A pumps the pumped media wetted parts can be made available with FDA compliance.

EN 10204 3.1.B

With the stringent demands of hygiene within new food and pharmaceutical plants being built, material traceability of equipment supplied is increasingly important. The EN 10204 standard defines the different types of inspection documents required for metallic products. In particular, 3.1.B of this standard refers to inspection documents being prepared at each stage of manufacture and supervised tests performed by authorised personnel independent of the manufacturer.

SSP Series S and X pumps can be supplied with material traceability if required.

EN 10204 2.2

This standard defines documents supplied to the purchaser, in accordance with the order requirements, for the supply of metallic products such as pumps. This takes the form of a certificate of conformity and can be applied to all SSP series of pumps.