

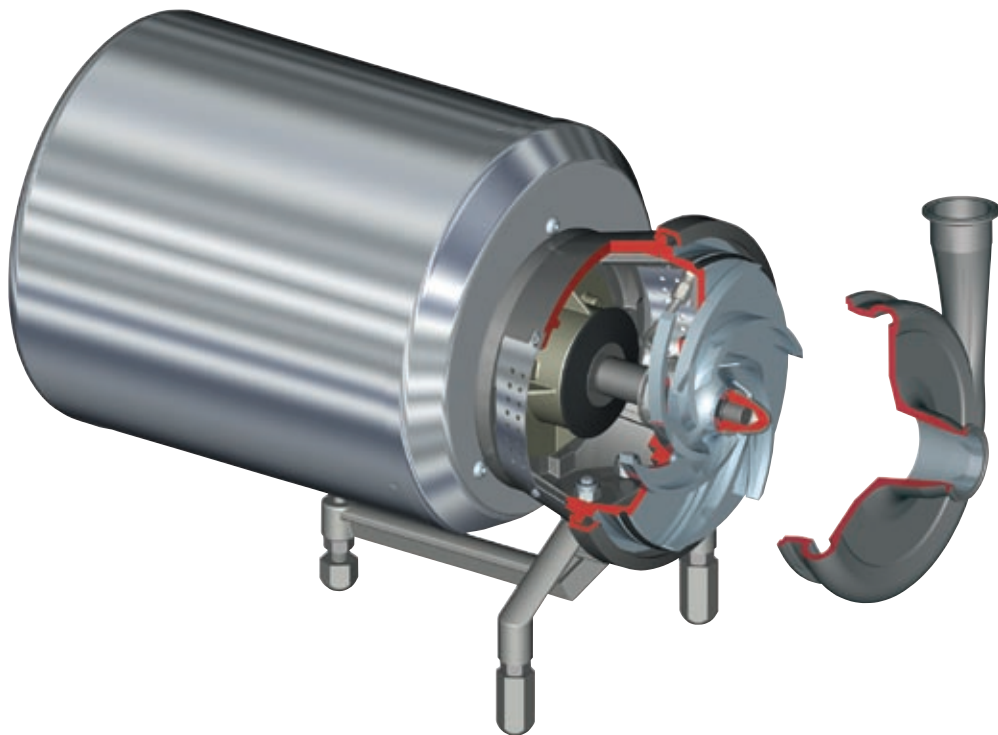


**JOHNSON PUMP**  
AN SPX BRAND



# TopClean CSA

*Hygienic Centrifugal Pumps tested and approved according to the European Hygienic Equipment Design Group (EHEDG) and 3A Sanitary Standards*



## *Certified Hygiene*

- EHEDG and 3A standards.
- Standard material AISI 316L low carbon stainless steel to be suitable for both food and pharmaceutical applications.
- All O-rings FDA certified.
- Mirror polished surfaces as standard with a finish up to RA 0.5 micron.
- Free positioning of the outlet port (self-draining).
- Casing drainage as option.
- Impeller hub and casings modified to improve cleanability.
- Casing O-ring position with rounded shapes easy to clean with no risk for product entrapment.
- External mechanical seal designed to improve drainage and cleanability:
  - Open seal chamber.
  - Different material combinations.
  - FDA certified O-rings.
  - According to EHEDG and 3A standards.
- Easy to clean, CIP, SIP or manually.
- Stainless steel motor shroud as option.

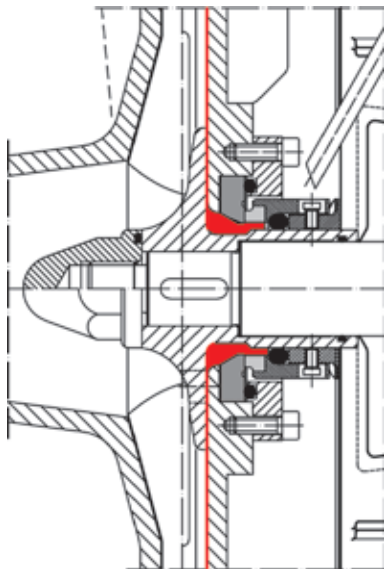
**SPX**®

## Trouble free operation and high performance

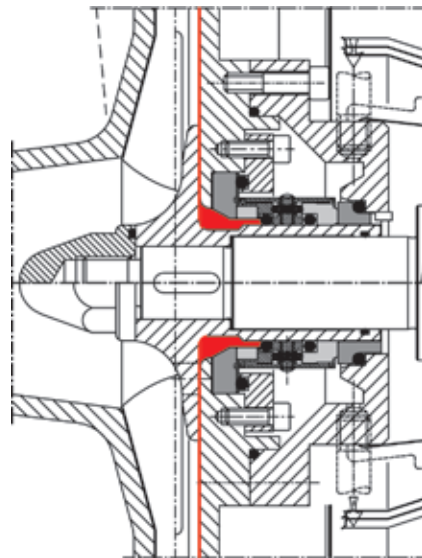
- EHEDG and 3A standards.
- Casings – Strong, robust and engineered with a material thickness of minimum 6 mm; investment casting.
- Open non-clogging impeller. Manufactured and balanced to close tolerances. Designed for high performance, high efficiency, low NPSH<sub>req</sub> and a minimum of axial thrust on motor bearing.
- Quick inspection and maintenance due to the clamp seal locking of the casing.
- Motors in compliance with international standards as IEC.
- Hygienic connections according to virtually all international standards.
- Modular designed pump range.
- Other options as:
  - Heated casings and casing covers.
  - Stainless steel trolleys.
  - Explosion proof motors.
  - Polished stainless steel motor shroud to protect the motor from water and dust.
  - Extra support via additional bearing cases for certain sizes.



External mechanical seal execution "Y"



Compact double mechanical seal execution "Q"



Your local contact:



SPX Process Equipment AB • P.O. Box 1436 • Nastagatan 19 • SE-701 14 Örebro • SWEDEN  
Phone: +46 (0)19 21 83 00 • Fax: +46 (0)19 27 23 72  
E-mail: jp-industry.nl@processequipment.spx.com

For more information about our worldwide locations, approvals, certifications, and local representatives, please visit [www.johnson-pump.com](http://www.johnson-pump.com) and [www.spxpe.com](http://www.spxpe.com). SPX Corporation reserves the right to incorporate our latest design and material changes without notice or obligation.

Design features, materials of construction and dimensional data, as described in this bulletin, are provided for your information only and should not be relied upon unless confirmed in writing.

Issued: 06/2008 JP-DS-TCCSA-EN Copyright © 2007, 2008 SPX Corporation

**SPX**®

**PROCESS EQUIPMENT**