

## Sanitary Centrifugal Pumps

WA+ SERIES

### DESIGNED FOR ASEPTIC APPLICATIONS

The Wa+ pumps ensure a perfectly sterile production process, which is highly relevant for those companies manufacturing long shelflife products or operating in the pharmaceutical or medical industries.

Wa+ pumps are ultra hygienic and designed for applications that require steam sterilization.

#### Wa+ pumps are equipped with:

- A double mechanical shaft seal
- A double O-ring sealing of the pump casing
- Special aseptic fittings

All suitable for use with a barrier media, such as steam condensate.

The shaft seal is supplied with PTFE pipes and the static double seal in the pump body with fittings for 8 mm (.31") steel pipes prepared for sterilization.



### PUMP FEATURES

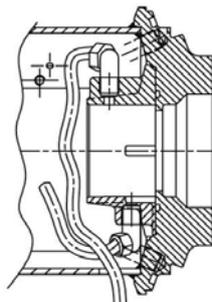
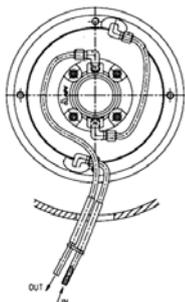
- Ultra hygienic design
- Designed for steam sterilization (SIP) and Clean-In-Place CIP
- Reliable and heavy duty design
- Energy efficient
- Quiet performance with minimal vibration
- Same superior shaft seal design as W+ pumps
- 3-A (optional) and EHEDG certified
- Wide range of optional features available, e.g. electro polished product contact surface, inducer and thermal jacket
- Easy and cost effective maintenance

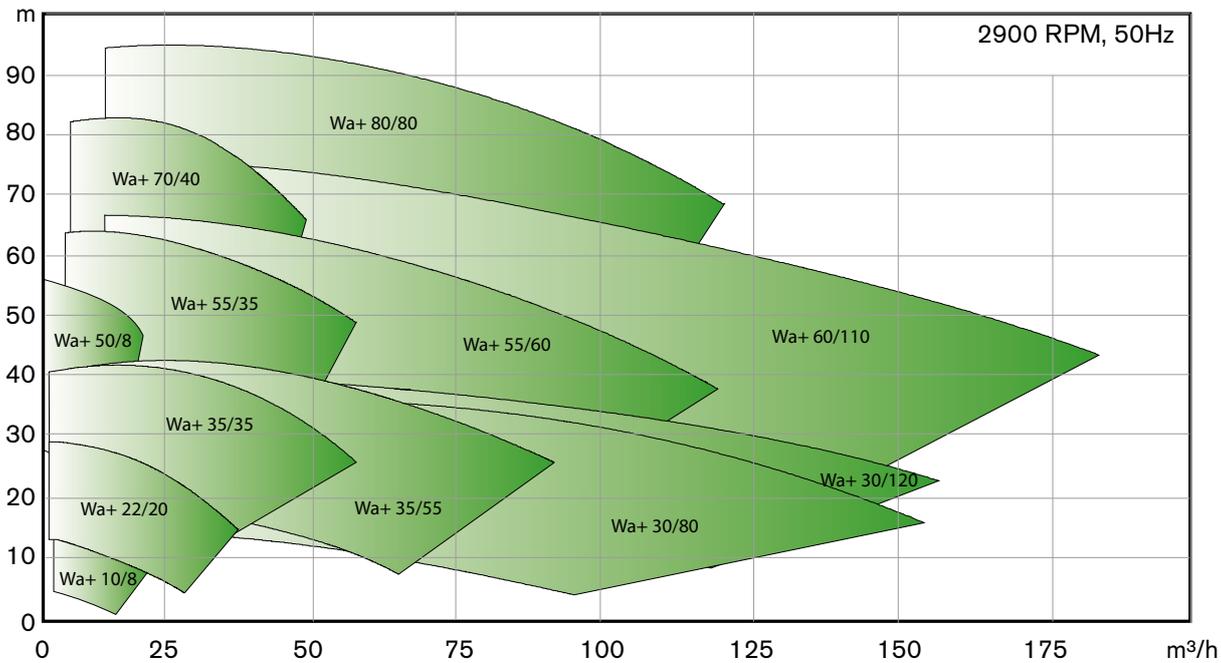
### TYPICAL PRODUCT APPLICATIONS

Wa+ is designed for sterile applications within the beverage, food, dairy, pharmaceutical and chemical sectors.

#### The pump is typically used for:

- Ultra hygienic pumping applications
- Long shelf life products
- Pharmaceutical products
- Medical products
- Aseptic filling
- Contaminated products





## TECHNICAL DATA - WA+ SERIES

<b>PRODUCT CONTACT PARTS</b>	SS 316L
<b>OTHER METALLIC PARTS</b>	SS 304
<b>SHAFT SEAL</b>	Carbon/Silicon Carbide, double mechanical seal; Optional: Silicon Carbide/Silicon Carbide on product side
<b>ELASTOMERS</b>	EPDM (FDA Compliant); Optional: FPM, FEP encapsulated FPM
<b>MAX. DISCHARGE PRESSURE</b>	18 bar (261 psi): Wa+10/8, Wa+22/20, Wa+30/80, Wa+35/55, Wa+35/35 14 bar (203 psi): Wa+30/120, Wa+50/8, Wa+55/35, Wa+55/60, Wa+60/110, Wa+70/40, Wa+80/80 Optional heavy duty clamping ring, increasing max. outlet pressure to: 25 bar (363 psi): Wa+30/120, Wa+55/35, Wa+55/60, Wa+60/110, Wa+70/40; 20 bar (290 psi): Wa+80/80
<b>MAX. OPERATING PRESSURE</b>	95°C (203°F) as standard. > 95°C (203°F), please contact SPX FLOW
<b>MAX. STEAM STERILIZATION TEMPERATURE</b>	150°C (302°F) pressures up to 5 bar (73 psi)
<b>CONNECTIONS</b>	Wa+ pumps are normally delivered with aseptic fittings or without fittings for direct welding into the pipe line. Standard threads and clamps in accordance to DS, BS, DIN, SMS and ISO as well as DIN flanges are also available
<b>MOTORS</b>	IEC metric standard, at 50/60 Hz, IP55, insulation class F. Wa+ pumps are as standard in Europe delivered with motors meeting the IE2 efficiency level in accordance to the Directive 2005/32/EC Eco-design of Energy using Products

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