



## Automatic coupling system with touchscreen

Secure transfer  
& automatic degassing

# XLA<sup>®</sup>



### OVERVIEW:

The XLA automatic coupling system with touchscreen allows, during a transfer of fluid, a device to be supplied continuously by an automatic change of tank, while evacuating the non-product associated gas that is located in the piping. As a rule, this unit is installed upstream of a filler or storage tank (fermentation tanks to filters, etc.). The XLA system operates as a standalone unit. It can operate in 5 different modes: product transfer automatic mode, water flush mode, blending mode, unit CIP mode, operator override via tactile panel mode.

In its standard version, the unit comprises 2 lanterns and 1 control unit and incorporates a stainless steel chassis (see below).

### KEY BENEFITS:

- ▲ Secure transfer of beer with continuous degassing function, with no risk of contamination during the transfer and changing of the tanks
- ▲ Unit fully washable in situ
- ▲ Interactive and tactile interface, colors and multilingual for easier operator use and control
- ▲ Control system with dialogue capability with supervision

### APPLICATIONS:

- ▲ Secure and optimized transfer of beer from the fermentation tanks to conditioning, according to the manufacturing stages
- ▲ Water flush and simple blending of the beer

## TECHNICAL SPECIFICATIONS:

### Sizes:

The flow to pass through the system defines its size. As a rule, the following table indicates the appropriate size according to the flow:

FLOW (M <sup>3</sup> /H)	RECOMMENDED SIZE
4.5 to 9	DN 40
7 to 14	DN 50
12 to 24	DN 65
18 to 36	DN 80
28 to 56	DN 100

**Connections:** Male DIN 11851

**Service pressure:** 4 bar

**Max. sterilization temperature:** 95 °C

### Footprint (example):

- Overall unit dimensions: L 910 x D 600 x H 1800 mm for the standard version
- Weight: approx. 220 kg depending on the options and version (in operation)
- Dimensions of the control cabinet: L 500 x D 200 x H 400 mm for the standard version

### Utilities and connections:

- Electrical: Installed power: 2 kW- Voltage: 400 VAC- Frequency: 50Hz- Connection: on terminal
- Pneumatic: Dry compressed air: 6-8 bars- Connection: 1/4 PdG
- Hydraulic: Service pressure: 4 bars- Connections Tanks A and B, output, intake CIP line: Male DIN 11851

### Materials:

- Parts in contact with the product: 1.4307 (304L) stainless steel
- Gaskets in contact with the product: EPDM (Ethylene Propylene Diene Monomer)
- Control cabinet: IP66 stainless steel unit

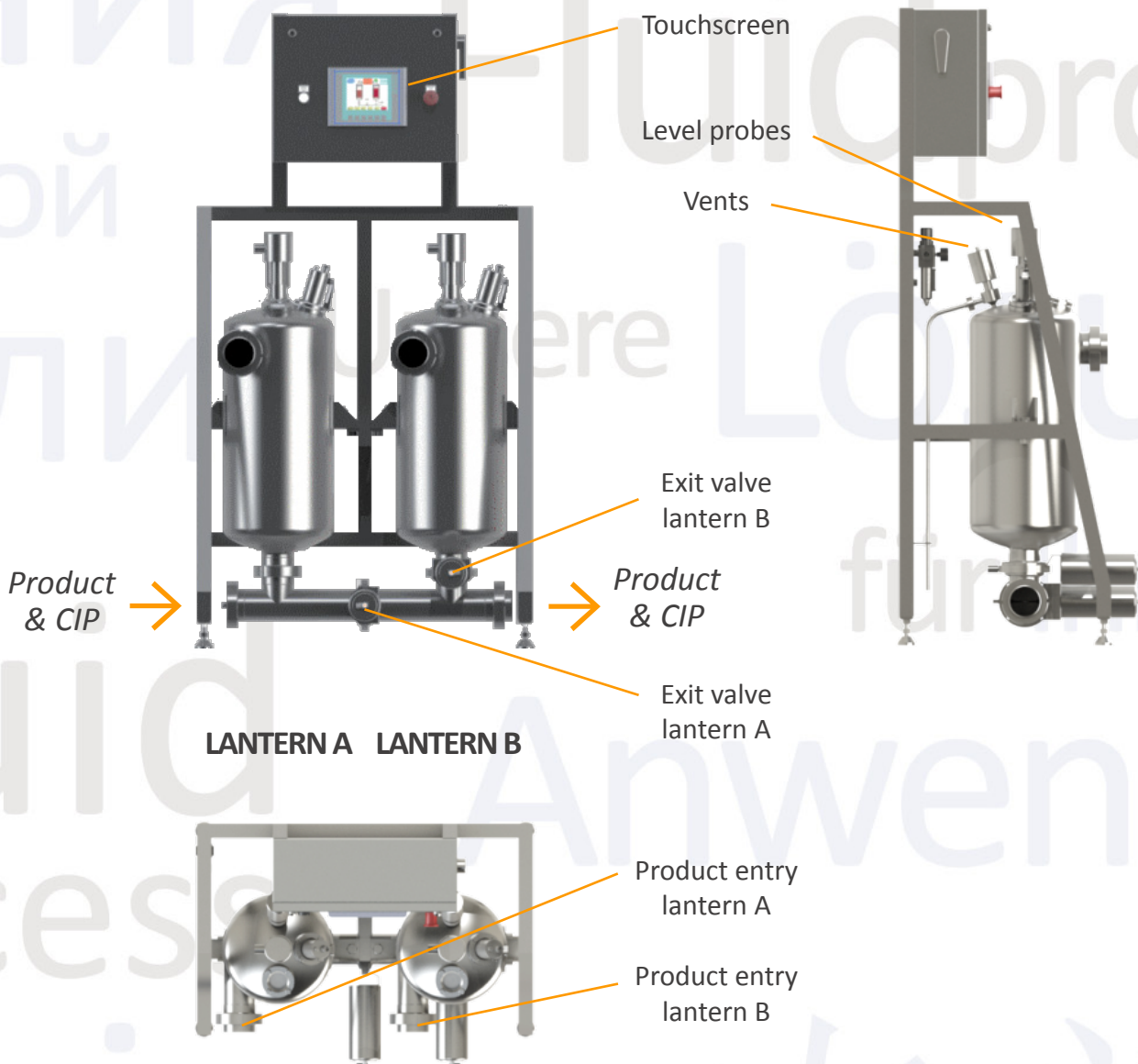
## SYSTEM COMPONENTS (2 TANKS):

- 2 tanks A and B each comprising: 1 vent, 1 analogue 4-20 mA level detection (high level, low level), 1 window, 1 light
- 1 manual butterfly valve and 2 automatic butterfly valves
- 1 control unit containing notably 1 SIEMENS® programmable controller and 1 touchscreen for system control and supervision

Servinox makes every effort to update its documents in line with improvements to its products.

### OPERATING MODES:

- Automatic operation: Automatic degassing and product tank switching
- H<sub>2</sub>O water flush: Beer flush at the end of the transfer
- Blending of tanks A and B: Mixing beers
- CIP cleaning: Washing of all the lantern
- Manual operation: Overall control via the tactile panel (operator code)



This data sheet can therefore be updated with no prior notifications.

Servinox is an ISO 9001:2008 certified company



**OPTIONS:**

- Lantern with seat valves for cleaning lanterns A or B independently
- Filling function with volume counter and/or destination tank level probe interface
- Other construction materials nuances
- Customized equipment (3 body lanterns, etc.)

**GUARANTEE:**

12 months from the date of delivery (except in the case of special conditions)

**COMPLIANCE:**

- Compliant with European PED 97/23/EC and European directive 2006/42/EC
- Elastomer gaskets compliant with FDA CFR 21.177.2600 and 1935/2004/EC ruling

SERVINOX follows the recommendations of international guidelines and standards relative to hygienic design and construction, in particular those of the EHEDG and 3-A.

Servinox makes every effort to update its documents in line with improvements to its products.  
This data sheet can therefore be updated with no prior notifications.

Servinox is an ISO 9001:2008 certified company

