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## SOLO Swiss 322



SOLO<sup>®</sup> Conveyor Belt Furnace

🇨🇭 Innovative. Reliable. Precise.



## FURNACE

- Muffle designed to resist high temperatures and to allow a rapid conditioning of atmosphere.
- Several possible heating and/or cooling zones according to the production.
- Electrical heating.
- Chimneys for burning gas and environmental protection.
- Choice in gas supply (cracker, generator, mixers, bottles, etc.).
- Protection against oxidation of the muffle during stops and after high operational temperatures.
- Automatic ignition of the protective gas with flame monitoring.
- Flat, mesh or rippled belt, with edges or lipped according to the type of the parts.
- Easy replacement of the heating elements.

**AMS 2750E & Standards ATEX (upon request).**

## MATERIAL

- Stainless steel
- Copper
- Alloys
- Ceramics
- Precious metal
- Steel
- Glass

## PROCESSES

- Brazing
- Brazing of precious metals or stainless steels
- Hardening of stainless steel with 13% chromium
- Annealing
- Tempering
- Overhardening
- Sintering
- Recrystallization

## ATMOSPHERES

- Nitrogen
- Hydrogen
- Argon
- Air
- Cracked ammonia
- N<sub>2</sub>+H<sub>2</sub> mixture
- Endothermic gas

# Accessories



**N<sub>2</sub>+H<sub>2</sub> mixer**



**Water chiller**



**Supervision with PC**



**Automatic feeder**



**2 integrated NH<sub>3</sub> crackers**



**Integrated water cooler**

## PROCESS SECURITY

- N<sub>2</sub> purging, safety and cycle.
- Flow control for each gas.
- All security for gas injection.
- Safety double valves.

## MAJOR OPTIONS

- Dewpoint analyser.
- O<sub>2</sub> oxymeter analyser.
- H<sub>2</sub> analyser.

## HARDWARE

- Panel 5.7" to 12.1" with touch screen.
- CPU and I/O Siemens.

## SOFTWARE

- Process regulation and control.
- Security management.
- Alarms in clear text.
- Visualisation and online modification of the process parameters.
- Centralized management of the recipes.
- Parameters set-up of regulation and calibration data.
- Weekly calendar.
- Conveyor belt speed control
- Process value archiving (.csv format) on detachable storage medium

## MAJOR OPTIONS

- Modem or Internet connection.
- PC connection (tracking, scheduling, performance analysis).



# SOLO Swiss 322

MODELS	10/80C	20/160C	up to 8000
Maximum temperature (°C)	1150	1150	1150
Useful width of the belt (mm)	100	200	Up to 800
Height (mm)	45	70	Up to 200
Length of the heated zone (mm)	800	1600	Up to 8000
Section of the channel (mm)	120 x 50	220 x 75	

## Different Sizes

Furnace size 10 / 80 C



Furnace size 80 / 600



Furnace size 20 / 200 C



Furnace size 30 / 300



Furnace size 50 / 300

