

XO SELECT



XO SELECT **The versatile XORELLA Solution**

Vacuum Conditioning and Heat Setting Machine



XORELLA

The tailor-made solution for all applications

Founded 1967 in Switzerland, XORELLA was acquired by the CHTC Fong's Group in 2002. Since this acquisition until today all XORELLA machines have been produced at the manufacturing facilities of the CHTC Fong's Group in Shenzhen, China, using only technical components of highest quality from European suppliers. The conditioning and heat-setting machines of XORELLA which are actually available in our product portfolio are based on 50 years of continuous research and development with a key focus on permanently increasing the productivity of our XORELLA machines while saving energy and precious resources - all this for the economical and ecological advantage of our customers.

Within the CHTC Fong's Group all sales and after sales services including spare parts supply as well as the R&D activities of XORELLA are performed by FONG'S EUROPE GMBH for all worldwide markets, except China which is looked after by XORELLA (HK) Ltd.

For any applications, which are not covered by the standard machine series XO SMART and XO TREND the XO SELECT offers tailor-made solutions.

XO SELECT low temperature machines up to 95°C are available in cylindrical as well as in rectangular shape. High temperature machines up to 140°C are available in cylindrical shape only.

The rectangular machine is offered with various cross sections to accommodate pallets with up

to 14 layers. The vessel length will be adjusted to the required capacity. More than 5 tons per batch are possible. The vessel can be equipped with one door for manual loading via a flap gate or with semi-automatic loading by a loading platform. For integration in fully automatic handling and packing lines machines come with two doors and internal stainless steel roller conveyor system. This flexibility ensures optimal solutions for any customer demands.

XORELLA has been a pioneer in automation of the conditioning process and continues to be the leading supplier for such equipment.

The cylindrical model with capacity up to 2.5 tons per batch is used for any high temperature heat-setting applications, but also for special low temperature requirements.

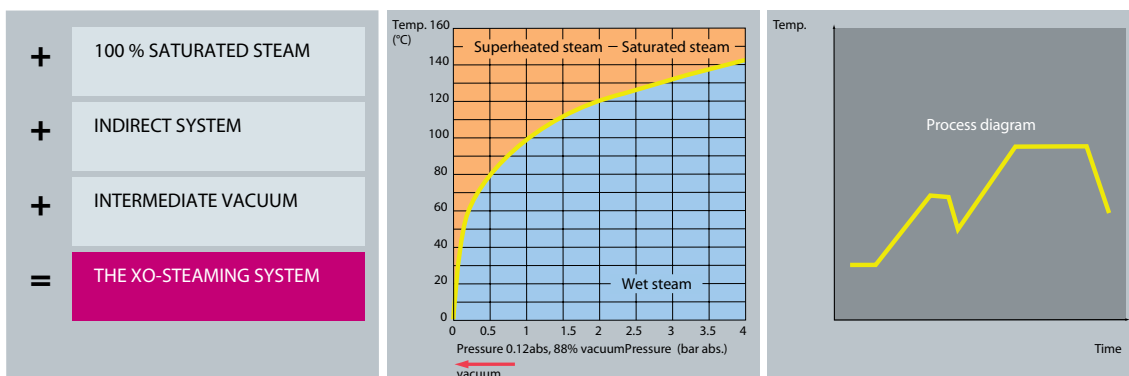
All XORELLA machines incorporate the following well-known features:

- Energy saving XO-Steaming system
- Key components of uncompromised quality
- Vessel and piping of world-class stainless steel
- Two-stage high performance liquid ring vacuum pump or waterless vacuum system XO EcoPac
- internationally renowned brand of controller
- Various loading options available

Like all XORELLA products the XO SELECT series has its roots in Swiss technology, reliability and precision.



The key to perfect treatment – the XO-Steaming System



The XORELLA process for vacuum steaming of textiles uses 100% saturated steam, produced by an indirect system and the renowned intermediate vacuum procedure. This combination guarantees even treatment and assures the correctness of the process.

We measure the absolute pressure inside the vessel and don't use a relative vacuum to ensure 100% saturated steam and identical conditions from batch to batch eliminating the influence of atmospheric pressure.

Steam is created at low temperature under vacuum conditions for gentle treatment and perfect control of the temperature during each cycle.

With the intermediate vacuum procedure (min. 2 vacuum cycles) 100% penetration is ensured at saturated steam conditions. Vacuum of 100 mbar or less as recommended by other manufacturers is not necessary. This method saves energy and achieves perfect results.

XO Vacuum Systems



Water ring pump



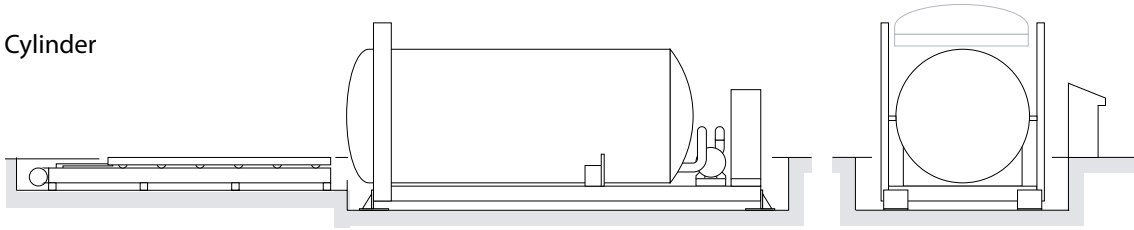
XO EcoPac

Reliable two stage liquid ring vacuum pumps have been used as standard equipment for XORELLA conditioning and heat-setting machines from the very beginning. Only with two stage pumps vacuum values for conditioning of waxed yarns at temperatures of 60°C or even less can be reached even with higher cooling water temperatures. This is not possible with single stage pumps due to lower compression ratio.

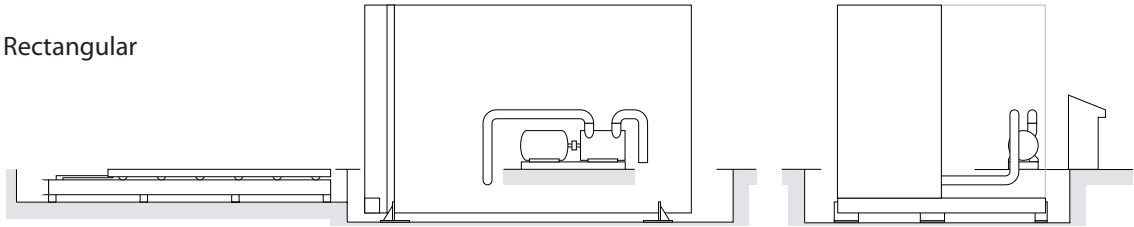
XORELLA has always been a pioneer in saving energy and resources. Therefore the waterless vacuum system XO EcoPac was introduced as an option.

It features up to 60% less installed power thus also consuming less energy compared to the standard liquid ring pump. No cooling water at all is required. This saves precious resources and also eliminates piping for water supply and drainage. XO EcoPac guarantees shortest cycle time by high suction efficiency independent of cooling water temperature. Once again XORELLA proves its cutting edge in conditioning and heat-setting technology.

Cylinder



Rectangular



Technical Data

| Configuration | Cylinder | Rectangular |
|--------------------|---------------------------|------------------------------------|
| Operation range | Low and high temperature | Low temperature |
| Capacity per batch | 200 – 2500 kg | 700 – 6000 kg |
| Nominal diameter | 1200 – 2000 mm | |
| Nominal height | | 2200 – 3200 mm |
| Nominal width | | 1200 – 2600 mm |
| Nominal length | max. 8000 mm | 1820 – 10670 mm |
| Heating system | Electrical/steam/combined | Electrical/steam/combined |
| Loading system | Flap gate | Flap gate |
| | Automatic platform | Automatic platform |
| | Lifting platform | Lifting platform |
| | | Roller drive |
| Door configuration | 1 door | 1 door/2 doors (roller drive only) |

A data sheet will be issued with every specific layout.

All technical data and information are subject to change.

XORELLA

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