

## TRESU H5i G3

For special applications in offset and special coatings with high viscosity, high pressure, high flow, high speed and high temperatures.



**Efficient circulator for high volume WB, UV or e-beam special coatings.**

- High viscosity, high pressure, high flow, high speed and high volume
- Flow control and pressure control for air and micro-foam elimination
- Spot or flood coating for demanding coating tasks with high OEE
- Dual pump circulator with auto adjusting and automated operations
- 1" hoses with short distance from container to the chamber doctor blade system
- Semi automatic cleaning – lances changed manually
- Modular platform and Industry 4.0 connectivity for efficient OEM integration and control

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## TECHNICAL SPECIFICATIONS

Height	646 mm - 25 7/16"	
Width	563 mm - 22 11/64"	
Depth	684 mm - 26 59/64"	
Weight	90 kg - 198.4 Pounds (lbs)	
Air supply	Min 6 bar – max 10 bar, clean and dry	
Air consumption	140 L/min (average)	
Water and detergent consumption	5 – 25 L per cleaning cycle – depending on the characteristics of each individual installation.	
TRESU Pressure Control Technology	0 – 500 mbar	
Voltage	120 – 230   VAC 50-60 Hz	
Power	0.15 Kw	
Phase	L + LN + PE	
Max fuse	10 A	
Max FLA:	1.2 / 0.67 A	
Site temperature	15-40°C (59-104°F)	
Site humidity max.	80% Rh	
Circulation cleaning time	5 – 15 min.	
Coating type	WB, E-beam or UV-coating	
Alarm system	Standard	
Further options	Pressure control technology. IR sensor measuring on anilox roll. High/Low alarm levels in buckets and tray. Refill system functionality.	Chamber position sensor. Print ON/OFF function. from HMI Print flow sensor. Extra operator panel.

## A Complete Coating Solution

The self-regulating TRESU concept comprises a TRESU chamber doctor blade system, a coating circulator, and an optional coating conditioner.

The circulator automatically adjusts to the coating supply and a sensor measures coating pressure and press speeds at the doctor blade, the circulator also regulates coating consumption.

And finally, temperature regulation for WB, UV or E-beam coatings is achieved with coating conditioners featuring an automatic refilling system to maintain coating quantity and fixed temperatures. See TRESU X10i data sheet for further info.

The TRESU Pressure Control Technology is a key feature, where a constant high pressure is maintained in the chamber doctor blade. This causes a liquid barrier to form between the rotating anilox cells and the chamber, stopping any air in the cells from transferring to the coating during production.



Foam



Foam elimination

The TRESU chamber doctor blade also features TRESU's patented air tight Seal System, eliminating leakage, and the patented E-line and P-line safe, instant doctor blade changing system. The chamber's compact design allows easy change over, minimizing coating agitation and optimizing productivity.