



*Solutions for press  
temperature control  
and process chilling*



*TRESU iSeries  
Intelligent Solutions*



# The new TRESU Royse iSeries of press and process chillers

TRESU's new intelligent iSeries offers an innovative control platform that interfaces directly with the TRESU Internal Diagnostic Monitoring System (IDMS).

IDMS is a state-of-the-art, proactive system that monitors the chiller and instantly alerts TRESU Royse' service department whenever a warning or control setting disturbance is indicated. IDMS allows TRESU Royse to remotely access all iSeries units and determine the nature of the alarm for swift problem resolution.

**See the following for a full overview of our iSeries chillers.**

## **SCi - Single-zone chiller**

The SCi is a compact, single-zone chiller for the ink rollers on a sheetfed or web offset printing press. The SCi provides one control temperature water to the entire press or process. The system utilizes a remote condenser configuration to pump heat off the press and reject it outside the press.

## **CCi - Combi chiller**

The CCi is a Combi chiller used for continuous circulation process water to the ink rollers and likewise, dampening solution to the press. The system utilizes a remote condenser configuration to pump heat off the press and reject it outside the pressroom or the facility.

## **UCi - UV chiller**

The UCi is a chiller for providing temperature controlled process water to water-cooled UV curing system. The UV chiller can be build as a free-standing unit or added as an "up-size" configuration to a Combi or Single-Zone chiller, and is adaptable to all water-cooled UV curing systems.

## **MCI - Multi-zone controller**

The MCI is a "Multi-Zone" controller for water-less printing. Typically, a multi-zone system is arranged in conjunction with a Single-Zone chiller to provide temperature controlled water to the ink rollers on an offset press when there is a requirement for independent temperature control for every printing unit.

## **ZCi - Zone control module**

The ZCi is a zone control module that can be built in a single or multiple zone configuration for managing multiple temperature control requirements on a sheetfed and web offset press. The zone control can be added to a Combi unit or Single-Zone chiller to provide accurate temperature control for many different applications on an offset press which requires water-chilling. Additionally, the zone control can be built as an isolated stand-alone unit using a plate heat exchanger which makes it adaptable to any application where supply water is available as the source of cooling in place of a refrigerated circuit.



***Reliability, durability and innovation - making TRESU Royse 'the printer's choice'***



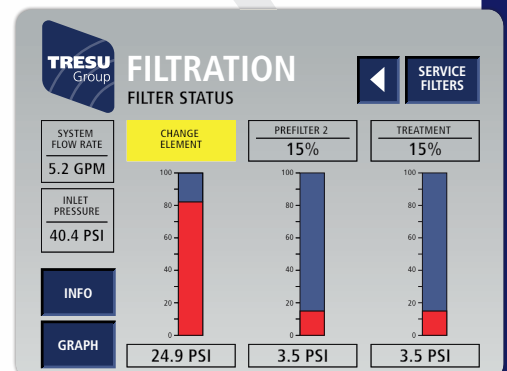


**SCi**  
Single-zone chiller



**UCi**  
UV chiller

## TRESU iSeries Intelligent Solutions



**Filter status**  
Easy filtration monitoring

### Features

- Modular cabinet design
- High performance, scroll compressor
- Stainless steel reservoir & pump housings
- Made with industry standard components
- Dynamic cooling efficiency based upon load/heat
- Remote or integrated condenser designs
- Standardized installation kits
- IDMS (Internal Diagnostic Monitoring System)

### Additional for combi chillers

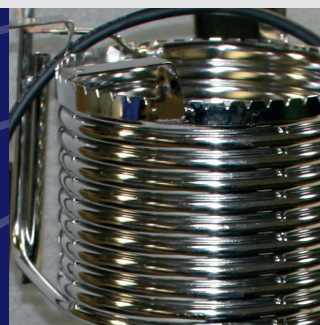
- Fountain concentrate mixing system
- Conductivity monitoring
- Power drain/refill of central circulator
- Pre-filtration/return accumulation tank

### Optional add-ons for Combi chillers

• **Fount-N-Kleer® AFS-3IC** is an advanced filtration system for improving the performance of fountain chemistry, while also extending its active operating life well beyond normal filtration media. Fount-N-Kleer® AFS-3IC filters 100 percent of the fountain solution returning from the press. It is linked directly into the main control system of the Combi chiller to provide optimum usability and visual indication of how each individual filter is loading, no guessing or trying to understand a pressure gauge.

• **Retrofit Fount-N-Kleer® AFS-3IC** is available to be added to an existing Combi chiller already in operation or to a stand-alone central dampening water circulator to provide the same characteristics and benefits, enabling a printer to get more control and performance out of their fountain chemistry.

\*Fount-N-Kleer® is a registered trademark of Procam Controls, Plano, Texas, USA



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*The Best Part of Innovation*