

# PRESSMATE UV COOLING DATA SHEET



## THE PERFECT PARTNER FOR YOUR PRESS

MGE's two sizes of UV lamp Cooling systems are a new addition to our **PRESSMATE** range of print ancillary products.

The range includes:

- Water dampening units
- Alcohol control
- Collection and return tanks
- Ink roller temperature control units
- Additive dosing units
- Filtration units
- UV Cooling Systems
- Reverse Osmosis water treatment units



CS1500AB 50KW Air Blow Chiller for UV system Cooling shown above with CS1250AB 25kW system shown on the right.



The **PRESSMATE** range of printing press ancillary products is designed and built to optimise the reliability, productivity and quality of today's high speed printing presses. The **PRESSMATE** range of Air Blast Chillers are the latest generation of MGE's ancillary products and have been specifically designed to work in conjunction with today's advanced UV Curing Systems ensuring that excess heat generated by the lamps is quickly removed from the lamp housings and surrounding Press area.

Cooling is provided via a combination of high efficiency non-ferrous Coil radiators and energy efficient axial fans mounted on the top of the unit. Water circulation around the system is carried out by a centrifugal multistage pump enclosed in a stainless steel body and fitted with carbon/ceramic mechanical seals to ensure reliability and a long life. A digital temperature controller is mounted on the front of the unit to indicate system temperature and allow control of when the fans power on and off (on the CS1500AB the fans can be independently set to power on at different temperature levels). In addition there is a tank water level indicator and tank top up is done either via a nozzle on the front of the unit or there is an automatic top up option available.

# MGE

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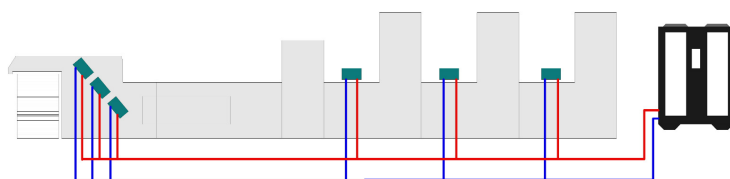
## DATA SHEET

### PRESSMate CS1250AB and CS1500AB

**PRESSMate** 25kW and 50kW UV Air Blast Coolers are fully featured Cooling systems for UV Curing Installations offering simplicity and ease of service without compromising on the quality or reliability that users have come to expect from MGE ancillary units.

The CS1250AB and CS1500AB units provide:

- 25kW and 50kW cooling capacity for UV Curing Systems
- Digital temperature display with variable set points
- Option for Independent fan control for energy efficiency
- Optional auto-filling \ top up of water reservoir
- Simple maintenance with multi-piece cabinet design
- Easy clean stainless steel tanks
- Minimum number of serviceable components
- Designed with efficiency and environmental concerns in mind



During normal operation, water is continually circulated around the UV Curing system pipework removing the excess heat generated by the process and thereby protecting the lamps, the press and the print output from heat damage.

### TECHNICAL SPECIFICATIONS

WATER SUPPLY		CS1250AB	CS1500AB
Flow to press (Max)		70 l/min	70 l/min
Minimum Water Pressure		1.4 bar	1.4bar
Maximum Water Pressure		3.0 bar	3.0 bar
No of press feeds \ returns		1 \ 1	1 \ 1
Size of outlet feed		1" BSP - 28mm	1" BSP - 28mm
Size of outlet return		1" BSP - 28mm	1" BSP - 28mm
COOLING SYSTEM			
Condenser unit		Air cooled	Air cooled
Cooling Capacity		25kW	50kW
Ambient for rating		20°C	20°C
Nominal Temp Setting for Fan Off \ On		35°C \ 45°C	35°C \ 45°C
Heat exchanger		High Efficiency Coil	High Efficiency Coil
Tank Capacity		90 litres	90 litres
PHYSICAL INFORMATION			
Dimensions (HxWxD) mm		1957 x 830 x 700	1957 x 1360 x 700
Dry Weight		175kg	250kg
Power requirements		400/440 - 50/60Hz - 3ph	400/440 - 50/60Hz - 3ph
Noise Level		76dBa	78dBa



Simple Control Panel layout on the front of the unit.

- Standard voltages shown - other electrical specifications available on request.
- All feed and return press connections can be to customer requirements.
- No hazardous liquids or refrigerants are used in these units.
- Standard unit colour is light grey with black framework. Special paint finishes available on request.
- MGE can offer tailored solutions to exactly match customer requirements. Contact MGE for further information.



MGE reserve the right to change, improve and/or modify all or any products manufactured and sold by us at anytime; this does not incur any obligation on our part to make like changes to any of our products previously sold.