

PRESSMATE RC SYSTEMS

DATA SHEET

PRESS
Mate ❄️

THE PERFECT PARTNER FOR YOUR PRESS

MGE's three sizes of RC Ink roller temperature control systems are an integral part of 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
- Varnish circulators
- Reverse Osmosis water treatment units



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 Ink Roller Temperature control units are the latest generation of MGE's ancillary products designed to provide consistent temperature control for medium and larger sized sheet fed presses.

The heat generated when running a press continuously at high speeds affects the behaviour of the ink and the quality of the print. **PRESSMate** Roller Chillers manage this temperature effectively by circulating cooling water through the ink rollers and back out to a chilling system, maintaining the press ink rollers at a temperature ideal for optimum print performance and high production speeds. Each **PRESSMate** Roller Chiller is also designed to initially provide heated water to quickly bring the ink rollers up to the correct operating temperature at press start up. Each **PRESSMate** Roller Chiller is compact, functional and continues the MGE philosophy of being a reliable and energy efficient piece of industrial equipment.

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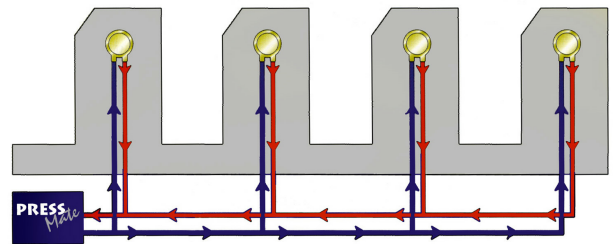
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PRESS^{mate} RC60, RC100 and RC150

PRESS^{mate} 6kW, 10kW and 15kW Ink roller temperature control circulators benefit from being fully functional whilst offering simplicity and ease of service without compromising on quality or reliability.

The RC60, RC100 and RC150 units provide:

- 6kW, 10kW and 15kW cooling capacity using plate heat exchangers
- 3kW or 6kW heater for cold press starts
- Temperature range of 25°C to 35°C (+/- 1°C)
- Digital temperature display
- Easy 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, cool water is supplied to the Ink rollers to remove excessive heat from the system and returned back to the RC circulator

TECHNICAL SPECIFICATIONS

WATER SUPPLY	RC60	RC 100	RC 150
Flow to press (Max)	60 l/min	60 l/min	60 l/min
No of press feeds	1	1	1
No of press returns	1	1	1
COOLING SYSTEM			
Condenser unit	Air cooled	Air cooled	Air cooled
Cooling Capacity	6kW	10kW	15kW
Heating Capacity	3kW	6kW	6kW
Ambient for rating	40°C	40°C	40°C
Refrigerant	R134A	R134A	R407C
Heat exchanger	Plate	Plate	Plate
Max tank volume	170 litres	170 litres	200 litres
PHYSICAL INFORMATION			
Dimensions (HxWxD) mm	1260 x 1290 x 780	1260 x 1290 x 780	1550 x 1600 x 825
Dry Weight	280kg	350kg	350kg
Power requirements	400/440 - 50/60Hz - 3ph	400/440 - 50/60Hz - 3ph	400/440 - 50/60Hz - 3ph
Connector hose length	15m max	15m max	15m max
Height of hose run	2.5m max	2.5m max	2.5m max
Size of press feed	19mm	19mm	19mm
Size of press return	19mm	19mm	19mm

- Standard voltages shown - other electrical specifications available on request.
- All feed and return press connections can be to customer requirements.
- All units use CFC-free refrigerant R404A.
- Standard unit colour is light grey. Special paint finishes available on request.
- MGE can offer tailored solutions to exactly match customer requirements. Contact MGE for further information.



ISO 9001
FM 15051

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 product previously sold.

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