



A MEMBER OF THE
HILGER&KERNGROUP

LiquidFlow

LiquidFlow 30

Entry-level gear pump
technology for low-mid
flow applications



The LiquidFlow 30 metering and mixing machine is a flexible system for potting and encapsulation applications with continuous material flow. This entry-level gear pump technology is perfect for low-mid flow applications and customers will benefit from its modular design (30M). The LiquidFlow 30 can be individually adapted to each application ensuring that

it meets customers expectations and requirements. It is a variable ratio gear pump metering and mixing system that can process low to medium viscosity two component materials:

- Polyurethane
- Epoxy
- Silicone

TECHNICAL DATA

Ratio range capability	1:1 to 100:1 (Depending upon model and pumps selected)
Viscosity acceptance	Typically up to 15,000 mPas (Or higher when fitted with optional heating system) Up to 500,000 mPas when processed from transfer feed systems (Depending upon material thixotropy)
Shot size	Available from approx. 1 ml upwards
Flow rate	Up to approx. 2.1 lt/min (Depending upon viscosity and size of pumps)
Mixing	Disposable Static or Rotary/Static
Reservoir capacity	6 lt (1,58 gal) or 12 lt (3.16 US gal)
Electric supply	230 V / 50 Hz or 110 V / 60 Hz AC
Compressed air	80 p.s.i.

TYPICAL APPLICATIONS

- Electronic potting
- Casting
- Moulding
- Component bonding and sealing
- LED lighting

YOUR BENEFITS

- Can be used for a variety of different applications
- Continuous flow
- Pulsation-free dispensing
- Variable mixing ratio
- Quiet operation
- Accurate flow-rate control

STANDARD FEATURES

- Metering Pumps: Electric inverter driven gear pumps
- "Metered" or "Operator Controlled" shot size selection
- Service indicator LED
- Controls:
 - Integrated PLC control with HMI touchscreen and variable ratio adjustment
 - Adjustable flow rate
 - Anti-gel automatic purge timer
 - Either foot pedal, hand held trigger or remote start options available
 - "Recipe Function" to allow up to 50 pre-set shot sizes, flow rates, and ratios on LiquidFlow 30M

OPTIONS

- Digitally controlled heating to reservoirs, pumps and hoses
- Electric agitation to material reservoirs
- Electronic low-level sensing to material reservoirs with visual and audible alarms
- Stainless steel wetted parts to protect against corrosion
- Hardened parts to protect against abrasion
- Nitrogen purge facility to material reservoirs
- Vacuum degassing to material reservoirs
- Bulk feed transfer pump/accumulator facility directly from suppliers containers
- Air nucleation system for foam applications
- Rotary/Static disposable mixing option (electrically driven)
- Automatic material recirculation system to help p fillers in suspension
- "Recipe Function" to allow up to 50 pre-set shot sizes, flow rates, and ratios on LiquidFlow 30A

VERSIONS



Benchtop with smaller tanks
[LiquidFlow 30A](#)



Benchtop with modular options
[LiquidFlow 30M](#)

CONTACT US:

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