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LiquidFlow

LiquidFlow 50

High-level machine for
larger flow production
demands



The LiquidFlow 50 is a high-level metering and mixing machine for larger flow production demands. The benefit from this machine is the portable framework with the facility to mount larger material reservoirs and, if requested, a higher flow rate is also achievable. One major advantage of the LiquidFlow 50 is the independent inverter driven motor control for each gear pump, instead of using a lower cost but less efficient gear and toothed belt or chain assembly. This

feature allows the operator to easily change the mixing ratio very simply on the built in HMI touchscreen. The machine is mostly used for manual applications, but it can also be interfaced to fully or semi-automatic systems. Typical materials which can be processed are:

- Polyurethane
- Epoxy
- Silicone

TECHNICAL DATA

Ratio range capability	1:1 to 100:1 (depending upon pumps selected)
Viscosity acceptance	Up to 500,000 mPas (when fitted with transfer pump/accumulator option)
Shot size	Available from approx. 10ml upwards
Flow rate	Typically up to approx. 8 lt/min (depending upon viscosity)
Mixing	Disposable Static or Rotary/Static
Reservoir capacity	18 lt (4,74 gal) stainless steel with silica gel moisture protection
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
- Filter manufacturing

YOUR BENEFITS

- Larger flow rates are possible
- 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
- Mixer Valve: Pneumatically operated TSV601 “Metered” or “Operator Controlled” shot size selection
- Service indicator LED
- Controls:
 - Integrated PLC control with HMI touchscreen and variable ratio adjustment
 - Air supply filter/regulator and gauge with connection check unit
 - Anti-gel automatic purge timer
 - Either foot pedal, hand held trigger or remote start options available

OPTIONS

- Reservoir sizes up to 50 lt possible
- 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
- Ultra-high precision gear metering pumps
- Nitrogen purge facility to material reservoirs
- Vacuum degassing to material reservoirs
- Rotary/Static disposable mixing option (electrically driven)
- Dynamic mixing head (electrically driven) for high flow applications
- Bulk feed transfer pump/accumulator facility directly from suppliers containers



Besides rotary or static mixing, the dynamic mixing head can be used optionally for high flow applications

CONTACT US:

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