



**PRODUCT**

TWINFLOW LC50PFR  
TWINFLOW LC120PFR

The Twinflow PFR pneumatically driven series is available in analogue and digitally controlled options.

The featured LC50PFR and LC120PFR fixed ratio metering, mixing and dispensing machines are digitally controlled utilising PLC, HMI touch screen technology enabling a wide range of electrical accessories and easy robot interface. Our latest parallel drive system ensures consistent processing of materials with either high mix ratio and/or differing viscosities. This new development engineered with Fluid Research's Posiload™ positive displacement metering pump technology, ensures repeatable, accurate volumetric metering, mixing and dispensing of low to medium viscosity or thixotropic two part resin systems. Examples of which are epoxies, polyurethanes, silicones, adhesives or potting compounds.

This compact machine is simplistic in its format and flexible in its design to accommodate a range of optional extras to suit the wide range of available resins and differing customer application needs.

The LC50PFR is capable of dispensing (depending on ratio) mixed material from 1 to 50cc. The LC120PFR will dispense from 5 to 120cc to within +/- 1% volumetric accuracy. The LC50PFR is a low cost investment and an economical solution to what is often inefficient and hazardous process.



TWINFLOW LC50PFR

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# Technical Specification

	STANDARD FEATURES	STANDARD OPTIONS
EQUIPMENT	LC50PFR / LC120PFR	LC50PFR / LC120PFR
<b>Reservoir Tanks</b>	<ul style="list-style-type: none"> <li>• 10 Ltr SS tank with clamped, sealed lid and moisture trap</li> <li>• 10 Ltr SS tank with non-sealed lid</li> <li>• 5 Ltr SS tank with clamped, sealed lid and moisture trap</li> <li>• 5 Ltr SS tank with non-sealed lid</li> <li>• 3 Ltr SS tank with clamped, sealed lid and moisture trap</li> <li>• 3 Ltr SS tank with non-sealed lid</li> </ul>	<ul style="list-style-type: none"> <li>• Tank stirrer pneumatic</li> <li>• Tank heater with built in thermostat and power cable</li> </ul>
<b>Metering Pumps</b>	<ul style="list-style-type: none"> <li>• Posiload™ positive displacement pump size range 32mm EN40 anti-abrasive sive pump tube, glass filled nylon piston and mild steel piston rod</li> <li>• 10.12mm 303 stainless steel pump tube</li> <li>• Any size stainless steel pump tube between 10 and 32mm (pump body not stst)</li> </ul>	<ul style="list-style-type: none"> <li>• EN40 anti-abrasive pump tube, from 10mm to 32mm, to include glass filled nylon piston and mild steel piston rod</li> <li>• EN40 piston rod</li> </ul>
<b>Mixing Head</b>	<ul style="list-style-type: none"> <li>• Twinmixer 1/4BSP stainless steel, 5/5 port, machine mounted</li> </ul>	<ul style="list-style-type: none"> <li>• Hand held, trigger operated</li> <li>• 5/3 or 5/3/5/ ported</li> <li>• Ratio check blocks</li> </ul>
<b>Hoses</b>	<ul style="list-style-type: none"> <li>• Standard length x 1/8 or 1/4 or 3/8 or 1/2 inch bore PTFE lined stainless steel braided, m/s end fittings, from pump to machine mounted mixer</li> </ul>	<ul style="list-style-type: none"> <li>• 1/8 or 1/4 or 3/8 or 1/2 inch bore PTFE lined m/s stst end fittings 2 or 3 metres long</li> </ul>
<b>Machine Control</b>	<ul style="list-style-type: none"> <li>• Pneumatic only</li> <li>• Shot size adjustment via slide and lock limit switch</li> <li>• Foot pedal actuation, full shot</li> </ul>	<ul style="list-style-type: none"> <li>• Operator shot size control, machine returns to rest</li> <li>• Stalled shot, pumps set to continuous cycle but stalled against closed Twinmixer, opened with foot pedal or trigger if hand held option</li> <li>• LSA shot size control, limit switch on movable lead-screw</li> <li>• Shot speed regulator</li> <li>• Re-circulation after NRV back to reservoir</li> <li>• Service kit for pump and mixing head</li> </ul>