

**PRODUCT**

**POSIFLOW DXE60**

The Posiflow DXE60 is designed for processing multi-component resins in a wide variety of applications.

Fluid Research Limited has utilised precision gear pump technology for pumping and accurately metering multi liquid components, which are then mixed in an inline mixing head, designed to suit the material and application requirements. In its standard form the Posiflow DXE60 will deliver a variable output up to 60kg/min across a ratio range from 1:1 to 100:1\*.

\*Ratio's and flow rates should be discussed with a Fluid Research technical Engineer.

Programmable logic control is standard, and a wide range of options are available.

The Posiflow DXE60 is part of a comprehensive new range of dispensing machines developed for multi-component liquid polyurethanes, epoxies and silicones.

The use of gear pumps for pumping and metering complements Fluid Research's extensive range of machines based on positive displacement reciprocating 'Posiload' pumps.



POSIFLOW DXE60

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# Technical Specification

	STANDARD FEATURES	STANDARD OPTIONS
EQUIPMENT	POSIFLOW DXE60	POSIFLOW DXE60
<b>Reservoir Tanks</b>	<ul style="list-style-type: none"> <li>Material feed standard reservoir capacities 10L, 18L, 25L, 45L mild steel or stainless steel</li> </ul>	<ul style="list-style-type: none"> <li>Automatic bulk feeding systems</li> <li>Vacuum reservoirs</li> <li>Material heating</li> <li>Material agitation within reservoirs</li> </ul>
<b>Metering Pumps</b>	<ul style="list-style-type: none"> <li>Precision gear pumps mounted below tanks avoid the need for pressurisation</li> </ul>	<ul style="list-style-type: none"> <li>Heating to pumps</li> </ul>
<b>Mixing Head</b>	<ul style="list-style-type: none"> <li>Compact hand held, or machine mounted twinmixer</li> </ul>	<ul style="list-style-type: none"> <li>Hand held rotary/static or dynamic mixing head</li> </ul>
<b>Hose</b>		<ul style="list-style-type: none"> <li>Hose support boom</li> <li>Heated hoses</li> </ul>
<b>Drive Options</b>	<ul style="list-style-type: none"> <li>Variable output electric drive via independent motors to provide simple variation of ratio</li> <li>Interchangeable sub-chassis mounted drive units</li> </ul>	
<b>Machine Control</b>	<ul style="list-style-type: none"> <li>Integrated programmable logic control</li> <li>Easy to understand synoptic control panel</li> </ul>	<ul style="list-style-type: none"> <li>Material level controls</li> <li>Integration with external control system</li> <li>Closed loop monitoring, adjustment technology</li> </ul>

## Flow Monitors

For continuous real time closed loop monitoring with automatic correction in the unlikely event it is required. This gives the customer complete confidence in the dispensed product.



## H.M.I. (Human/Machine Interface)

Displaying key features. Actual ratio dispensed; volumes of both components; total volume over a given period and rate of dispense can all be indicated. 'Out of ratio' alarm set points can also be pre-programmed to give audible and visual indication should the ratio deviate outside the set parameters.

