



## EPOXY DX

Low pressure dosing unit for vacuum infusion process

Compact, transportable, fully-electric dosing machine equipped with closed-loop control of components' output and ratio.

This guarantees a continuous control over the injection of liquid resin in the vacuumised moulds containing various layers of glass reinforcement materials.

As option the machine can be equipped with a thermoregulation unit assembled on the machine frame to maintain the process temperature at the set value.

The infusion operation can last for several hours and the flow of material varies according to the level of filling achieved.

A medium-output beginning phase is followed by a progressive change of flow, due to the resistance and friction created in the mould – as well as the wetting of the mass of reinforcement.



Epoxy DX80



The machine can be directly fed by 1 m<sup>3</sup> IBC (Intermediate Bulk Container) or connected to the central chemicals' storage



Epoxy X35



The need of filling the most extreme portion of the moulds with the same proportion of resin over the reinforcement raises the problem of a continuous change of injection rate, thus the necessity of a closed-loop control of the components' output.

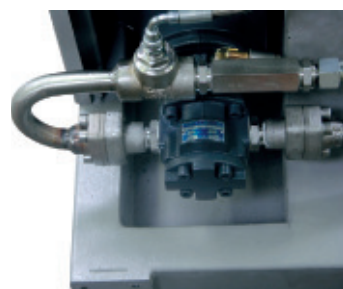
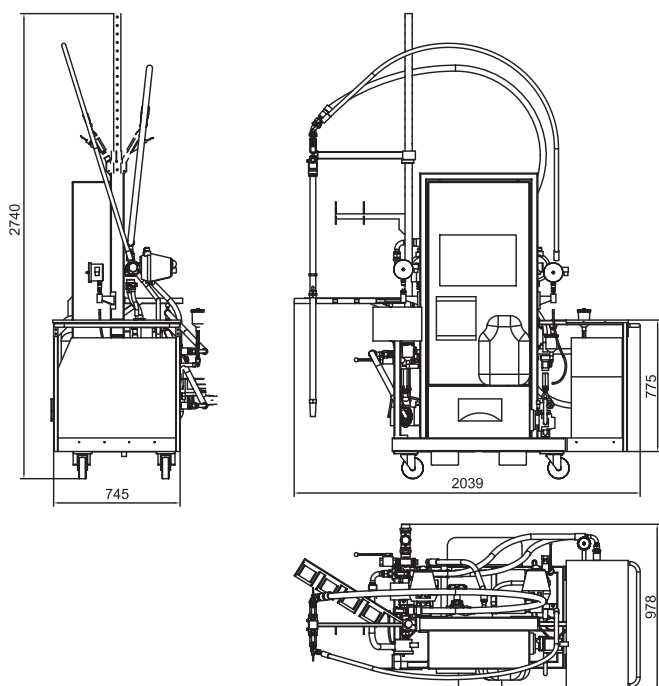
Keeping a precise mixing ratio is also fundamental to avoid emissions of non- reacted chemicals.

The Cannon machines for Epoxies are available in a range able to dose from 9 up to 80 kg/min of resins; they can work within a wide range of mixing ratios.

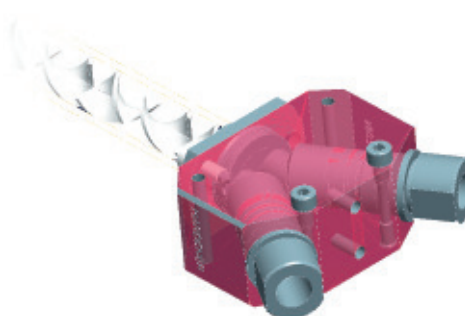
To dispense the resins a long static mixer is attached to a dedicated mixing head equipped with downstream temperature transducers.



Epoxy DX35T including thermoregulation unit for resin



Frequency driven high precision pumps



	Epoxy DX 35				Epoxy DX 80			
	100/33		100/45		100/33		100/45	
RATIO (Base/Hardener)	min	max	min	max	min	max	min	max
OUTPUT BASE (g/s) - s.g.=1,15 g/cc	110	450	102	450	230	1020	212	915
OUTPUT HARDENER (g/s) - s.g.=0,97 g/cc	36	135	47	180	72	300	92	410
<b>TOTAL OUTPUT (kg/min)</b>	<b>9</b>	<b>35</b>	<b>9</b>	<b>35</b>	<b>18</b>	<b>79</b>	<b>18</b>	<b>79</b>

Due to continuous developments in processes, all data contained in this leaflet are subject to variation by the manufacturer, without notification.