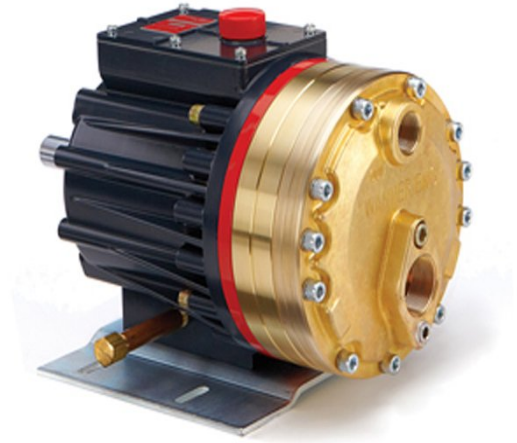


Application story



Polyester Resin and Catalyst Metering in GRP Sheet Production

Location	Italy	Hydra-Cell model	G03XDSESHEC / G25XFBVHHHC
Type of application	Polyester Resin and Catalyst Metering in GRP Sheet Production	Flow rate	0 - 50 l/min (0 - 13 gpm)
Liquid	Polyester Resin Methyl Ethyl Ketone (MEK) Peroxide Dimethyl Pthalate	Pressure	7 bar (101 psi)
Application details	An Italian company successfully applied Hydra-Cell pumps to the production of protective GRP sheets for trucks carrying frozen food products. During manufacture, the glass fibre fabric (in 70m x 3m strips) is laid out and spray coated with catalysed resin from nozzles mounted on a rolling bridge. A G25 pump supplies polyester resin, while a Hydra-Cell G03 handles the catalyst. The two liquids are directly mixed in-line by means of a static mixer. Catalyst-resin ratios range between 1:100 and 1:50, depending on room temperature. Pump speeds can be adjusted simply & quickly to give output flows in accordance with changing production conditions and the speed of the bridge.		
Advantages of Hydra-Cell pump on this application	Seal-less design (no seal losses). Simple speed/flow control, with no need for presence of operating staff during spraying. Low pulsation, giving smooth flow. Low maintenance.		

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