

IPL-8000

– Resin Roller Impregnator



Aplicator's IPL-8000 is the "workhorse" of the Aplicator range of machines. A superbly designed and engineered resin roller impregnator that eliminates the "bucket and brush" in hand lay-up. The roller impregnator is a very economical and easy to use machine, that provides a much improved working environment. Using advanced and proven techniques, the machine is easy and

ergonomically designed. The on/off roller handle controls the flow of resin to the roller as required.

An exact resin to catalyst ratio between 0.8% to 4.0% is provided by Aplicator's unique steplessly adjustable catalyst slave pump and internal mixing of resin and catalyst in a static mixer ensures there is a thorough blending of the components.

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OPERATION

Aplicator's IPL-8000 machine works with an air driven dual-acting piston pump, both for the resin and the catalyst. Manufactured from stainless steel, the catalyst pump incorporates a pressure gauge and pressure relief valve and is synchronised with the resin pump shaft for precise delivery of catalyst. Consequently, it is independent of variations in air supply or material viscosity. Catalyst volumes are easily adjusted with a hand wheel, which changes the stroke length of the catalyst pump. The mixing ratios are continuously variable. Catalyst is pumped directly from the original container. Resin is usually pumped from a 200-litre drum, but can also be pumped from a 25-litre pail, a bulk container or a fixed storage tank.

The components are mixed internally in a static mixer before the material is pumped through a single hose to the dispensing handle with simple trigger operated flow control. To minimise fumes, material is distributed to the lambs-wool roller through a perforated T-bar at a very low pressure. As there is no handling of resin or catalyst in open containers, the overall working environment will be much cleaner and safer. To facilitate degassing and function checks the machine is additionally equipped with a unique recirculation system for the catalyst and resin.

SPECIAL FEATURES

- Catalyst slave pump for precise catalyst-resin ratio
- Continuously variable catalyst ratio
- Recirculation of resin and catalyst
- Pneumatically operated solvent pump
- Static mixer
- Even flow of catalysed material
- Wheeled chassis for full mobility
- Kind to the environment
- All dynamic seals are self lubricating and of the highest quality for minimum maintenance
- Light-weight dispensing handle

The machine showed on the overleaf might have extra equipment, modifications might have been made since the brochures were printed.

FLUSHING

Cleaning the roller dispenser after use is easy using the built-in pneumatically operated flush pump. Pressing the flushing button on the pump will auto-matically flush the static mixer, hose, handle and dispensing T-bar with no manual handling of hazardous solvents.

TECHNICAL DATA

Air supply:	6 Bar (90 psi)
Air consumption:	120 litres / litre output
Capacity:	Up to 12 litres/min, depending on viscosity, hose length/diameter and nozzle orifice
Max. working pressure:	108 Bar (1620 psi)
Pressure ratio:	18:1
Mixing ratio:	Continuously variable between 0.8 and 4.0 %
Hose length:	Standard length 10 m
Weight of spray gun:	1.300 g
Total weight:	Approx. 85 kg