

RI-15

– Makes RTM Easier



The pneumatically operated RI-15 RTM production unit, is equipped with Aplicator's unique continuously adjustable catalyst slave pump that provides a precise resin to catalyst ratio. A static mixer fitted to the injection gun ensures the thorough blending of resin and

catalyst is achieved. Superbly designed and engineered, the machine is easy to operate using straightforward controls. For optimum efficiency and versatility the machine, mounted on large rubber wheels, can be moved to wherever required in the production area.

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OPERATION

Aplicator's RI-15 RTM machine uses an air driven dual acting piston pumps for both for resin and catalyst. A single air motor drives the pumps for catalyst and resin on Aplicator's RI-15 RTM machine. Constructed from stainless steel, the catalyst pump incorporates a pressure gauge and pressure relief valve and is mechanically synchronised with the resin pump. This provides precise and pulse free delivery of catalyst regardless of variations in air supply or resin 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 can be pumped direct 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. Both catalyst and resin are thoroughly blended together using a static mixer on the front of the injection gun, which helps minimise waste. The machine is equipped with a unique recirculation system for degassing and functional checks.

SPECIAL FEATURES

- Injection gun with static mixer
- Solvent flush button on injection gun
- Flushing with a mixture of solvent and air
- All instruments on a control panel
- Recirculation of resin and catalyst
- Two wheeled trolley for full mobility
- Catalyst pressure gauge
- Catalyst slave pump for accurate catalyst dosage

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

FLUSHING

Cleaning the injection gun after use is easily carried out using the built-in pneumatically operated solvent pump. Pressing the flush button automatically flushes the gun with a mix of solvent and air. Significant reductions in solvent use save costs, enhance working condition and considerably reduce emissions.

OPTIONS

- Aplicator's 'Autoshot' injection valve
- Stroke counter
- Volume meter
- Gel timer

TECHNICAL DATA

Air supply:	6 Bar (90 psi)
Air consumption:	90 litres / litre output
Capacity:	Up to 6 litres/min, depending on viscosity, hose length/ diameter and nozzle orifice
Max. working pressure:	90 Bar (1350 psi)
Pressure ratio:	15:1
Mixing ratio:	Continuously variable between 0.8 and 4.0 %
Hose length:	Standard length 10 m
Total weight:	Approx. 70 kg