

IPG-24/HV Classic

– Gelcoater



IPG-24/HV Classic is a further development of the internationally acknowledged IPG-24/HV series. It utilises proven technology from both the established and reliable IPG-6000 series and IPG-24/HV machine. The Classic version has a static mixer on the machine, a

pneumatically operated solvent pump for ease of cleaning and uses the same catalyst dosage technology that has made Aplicator synonymous with quality products over the last decades.

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OPERATION

Aplicator's IPG-24HV Classic gelcoater uses air driven dual-acting piston pumps for both the gelcoat and the catalyst. Manufactured 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 dosage is easily adjusted using a hand wheel to change the catalyst pump stroke length. The mixing ratios are continuously variable.

Catalyst can be pumped direct from the original container. Gelcoat is usually pumped from a 25-litre pail, but can also be pumped from a 200-litre drum, a bulk container or a fixed storage tank. Using a static mixer, both catalyst and gelcoat are thoroughly blended together before the material is pumped through a single hose to the gelcoat gun. For degassing and functional checks, the machine is equipped with a unique recirculation system for both catalyst and gelcoat.

SPECIAL FEATURES

- Recirculation of gelcoat and catalyst
- Pneumatic, push button operated solvent pump
- Flushing with solvent
- Ergonomic spray gun with two finger servo trigger
- Static mixer at machine
- Air assisted, airless spray nozzles
- Accurate catalyst dosage
- Even flow of catalyst material
- Two wheeled trolley for full mobility

FLUSHING

Cleaning the spray gun after use is easily achieved using the built-in, pneumatically operated flushing pump. With no manual handling of potentially hazardous solvents, simply pressing the flush button on the pump automatically flushes the static mixer, hose and spray gun.

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

INTERNAL MIXING

Aplicator have used internal mixing of gelcoat and catalyst for several years. This process has proved to be the optimum method of obviating problems that can occur with incomplete mixing.

TECHNICAL DATA

Air supply:	6 bar (90 psi)
Air consumption:	150 litres / litre output
Capacity:	Up to 6 litres / min, depending on viscosity, hose length/ diameter and nozzle orifice
Max. working pressure:	144 Bar (2160 psi)
Pressure ratio:	24:1
Mixing ratio:	Continuously variable between 0.8 and 4.0 %
Hose length:	Standard length 10 m
Weight of spray gun:	900 gr
Total weight:	Approx. 70 kg