



IPG-24/HV

– Probably the best Gelcoater available



IPG-24/HV is a superbly designed and engineered gelcoater developed as a replacement for the established IP-6000 machine. It is equipped with Aplicator's patented Double Flow Technology, which guarantees accurate catalyst dosage with perfect mixing of the gelcoat and catalyst. To minimise solvent use, mixing of the

components takes place in the spray gun. Ergonomically designed, the pneumatically operated spray gun includes a highly developed air-assisted spray nozzle that emits a minimum of spray fumes to provide optimum working conditions for operatives.

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OPERATION

Aplicator's IPG-24/HV 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 gelcoat pump. This provides precise and pulse free delivery of catalyst regardless of variations in air supply or gelcoat viscosity.

Catalyst dosage is easily adjusted using a hand-wheel to change the catalyst pump stroke length. The mixing ratios are continuously variable. Catalyst is 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. Catalyst and gelcoat are mixed internally in a short static mixer mounted in the head of the spray gun. As there is no handling of gelcoat or catalyst in open containers, the working environment will be cleaner and safer. To facilitate degassing and function checks, the machine is additionally equipped with a unique recirculation system for the catalyst and gelcoat.

SPECIAL FEATURES

- Ergonomic gun with two finger servo trigger
- Gun mixing
- Easy operated solvent flush button on the gun
- Flushing with both solvent and air
- Recirculation of gelcoat and catalyst
- Two wheeled trolley for full mobility
- Only one moving part in the solvent pump
- Catalyst slave pump for accurate catalyst dosage and perfect mixing
- All dynamic seals are self lubricating and of the highest quality for minimum maintenance
- Spray fumes minimised

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 the method of internal mixing of gelcoat and catalyst for several years, which this has proved to be the best method of obviating problems that can occur with incomplete mixing.

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 will automatically flush the gun.

TECHNICAL DATA

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|-------------------------------|--|
| 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: | 1 kg |
| Total weight: | Approx. 70 kg |

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