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# IPG-8000

## - Gelcoater

IPG-8000

IPG-8000 is widely used and has become a best seller in the industry. The machine is a superbly designed and engineered gelcoat machine that eliminates the "bucket and brush" in hand lay up that not only minimises fumes, it will improve working conditions considerably. Using advanced and proven techniques, the machine is easy and safe to handle with simple controls for straightforward operation. An exact gelcoat to catalyst ratio is provided with Aplicator's unique, infinitely adjustable catalyst slave pump and internal mixing of gelcoat and catalyst in a static mixer ensures there is thorough blending of the components.

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# IPG-8000 - Gelcoater

## Operation

**Aplicator's IPG-8000** machine works with an air driven dual-acting piston pump, both for the gelcoat and the catalyst. Manufactured from stainless steel, the catalyst pump incorporates a pressure gauge and pressure relief valve and is synchronised with the gelcoat pump shaft for precise delivery of catalyst. Consequently, it is independent of variations in air supply or material viscosity. Catalyst volumes are easily adjusted by 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. 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.

Components are mixed internally in a static mixer before being pumped through a single hose to the well balanced, compact spray gun with built-in swivel for improved versatility. 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 plus a pneumatically operated solvent pump for ease of cleaning.

## Special Features

- Catalyst slave pump for exact catalyst to gelcoat ratio
- Continuously adjustable catalyst ratio
- Recirculation of gelcoat and catalyst
- Pneumatic, push button operated solvent pump
- Static mixer
- Even flow of catalysed material
- Easy to operate
- Wheeled chassis for full mobility
- Light weight airless spray gun
- Full finger trigger on 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 the method of internal mixing of gelcoat and catalyst for several years, which 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 on the pump automatically flushes the static mixer, hose and spray gun.

## Technical Data

CE

| | |
|---|---|
| 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. Normal volumes are generally in the region of 1 litre / min |
| Max working pressure: | 108 bar (1620 psi) |
| Pressure ratio: | 18:1 |
| Viscosity: | The nozzle orifice, pressure and spray distance must harmonize with the viscosity and thixotrophy of the gelcoat used |
| Mixing ratio: | Continuously variable between 0.8 and 4.0% |
| Hose length: | Standard 10 m |
| Weight of dispenser: | 900 gr. |
| Total weight: | Approx. 85 kg |

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# IPL-8000

## - Resin Roller Impregnator

IPL-8000

Aplicator's IPL-8000 is 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 convenient that provides a much improved working environment. Using advanced and proven techniques, the machine is easy and safe to handle with simple controls for straight-forward operation.
An exact resin to catalyst ratio 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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# IPL-8000
## - Resin Roller Impregnator

## 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.

## 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 automatically flush the static mixer, hose, handle and dispensing T-bar with no manual handling of hazardous solvents.

## Technical Data

CE

| | |
|---|---|
| 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 dispenser: | 1.300 gr |
| Total weight: | Approx. 85 kg |

## 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
- Light-weight dispensing handle

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