MIPG-24/HV

– Multicolour Gelcoater

MIPG-24/HV is a Multicolour Gelcoater, which is a further development of the old MIPG-24/HV. The new design is more compact but with the same advantages as the old MIPG-24/HV machine, with several gelcoat colours with static mixer at the gun.

Quick and simple to change gelcoat colour. Overall, this technology offers numerous, cost effective benefits such as high quality gelcoat finishes, ease of handling, low maintenance, safety and reliability with minimal environmental impact.

MIPG-24/HV
– Multicolour Gelcoater

OPERATION

Aplicator's MIPG-24/HV machine uses an air-driven dual-acting piston pump for the gelcoat and the catalyst. For precise delivery of catalyst, regardless of variations in air supply or viscosity of material, the stainless steel catalyst pump is synchronised with the gelcoat pump shaft. Catalyst volumes are easily adjusted by means of a hand wheel that changes the stroke length of the pump and the mixing ratios are continuously variable. The catalyst is pumped straight 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. For degassing and testing the machine is also equipped with a unique gelcoat and catalyst recirculation system.

PULSE-FREE PUMPING

Instead of using a conventional accumulator and to ensure material flow is consistent, Aplicator has developed a unique system that accurately couples the pumping pressure of the gelcoat and catalyst. Additionally, careful design and tuning of all internal cavities and moving parts within the pumping process and by linking with the Double Flow Technology of the DF-2000 system, has resulted in an unsurpassed accuracy of flow and mixing.

ENVIRONMENTAL SPRAY GUN

Aplicator have developed a spray gun, with the mixing chamber immediately in front of the spray nozzle, which optimises the introduction of catalyst in the gelcoat flow and thoroughly blends the two components together. This results in a high quality finish and long term stability of the finished product. By pressing the flush button, the mixing chamber and nozzle is automatically flushed reducing solvent use and effects on the environment.

REDUCED VOC

The Air-Assist Nozzle concept produces a soft-sprayed shield of atomised air. It provides a soft and uniform gelcoat spray pattern without "fingers". There is excellent coverage of gelcoat whilst minimising emissions, saving material cost and improving the working environment.

CHANGE OF COLOUR

Quick and simple to change gelcoat colour without interrupting your production. Simply slide the air motor along the frame to a different gelcoat pump and reconnect the spray gun to the relevant hose. With this design the only parts that require flushing is the mixer and spray nozzle. The result is less consumption of solvent.

SPECIAL FEATURES

- Continuously adjustable catalyst ratio
- Recirculation of gelcoat and catalyst
- Static mixer in the gun
- Reduced solvent consumption
- Flushing with a mix of solvent and air
- Reduced material wastage
- Even flow of catalysed material
- Easy to operate
- Light weight spray gun
- Pumps can be added as needed
- Up to 30m hose length available
- Wheeled chassis for full mobility

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 (2169 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:	Varies, dependent upon model

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