

IPG-24

- **A Gelcoater for the small and medium size moulders**



Solvent flushing as option



Our new gelcoater is the first product in the new generation of machines from Aplicator System AB with the new Double Flow Technology. Adapted for today's demands in the GRP industry. The new technology offers excellent performance with regard to gelcoat finish, easy handling, cost effectiveness, low main-

tenance, safety, reliability and environmental care. Our solution with the mixer in the gun, placed just before the air assisted spray nozzle tip, offers you the best possible mixing of gelcoat and catalyst. The air assisted nozzle gives a soft and uniform gelcoat spray pattern with no "fingers".

Function

The IPG-24 machine works with an air driven dual-acting piston pump, both for the gelcoat and the catalyst. The stainless steel constructed catalyst pump is synchronised with the gelcoat pump shaft for precise delivery of catalyst, independent of variations in air supply or viscosity of material. The catalyst pump incorporates a pressure gauge and a pressure relief valve. The catalyst:gelcoat mixing ratio is stepless adjustable by simply moving the interlocking arm to a new position and lock it. An easily readable scale will make this fast and secure. The catalyst is pumped direct from the original container. In the IPG-24 basic version the gelcoat is pumped from the 20 litre original bucket placed direct under the gelcoat pump. As option you can have gelcoat suction hoses for 200 litre drums.

Environmental spray gun

In order to drastically reduce the need of cleaning solvents, Aplicator have developed a new spray gun which contains the mixing chamber. This eliminates the need of flushing the hose and spray gun to clean out the mixed gelcoat before work breaks. The parts left to be cleaned could easily be done with a brush and a cup of solvent (Solvent flushing as option). This gives large savings in cleaning solvents and it is friendly to the environment.

Air-Assist Nozzles

The Air-Assist Nozzle concept produces a soft-sprayed shield of atomized air. It will give a soft and uniform gelcoat spray pattern without "fingers". The gelcoat will be applied with good coverage and reduced emissions giving savings in material and a clean safe work area.

Technical data

Connection air:	6 bar (90 psi)
Air consumption:	135 litres/1 litre output
Capacity:	100 ccm/cycle
Max working pressure:	144 bar (2169 psi)
Pressure ratio:	24:1
Capacity:	0,2 - 1,5 litre/min.
Mixing ratio:	continuously variable between 0,8 and 2,9 %
Hose length:	10 metres
Weight of spray gun:	750 grams
Total weight:	approx. 38 kg

Pulse-free pumping

A uniform delivery of gelcoat with even mixing of catalyst is vital for high quality work. Instead of using a conventional accumulator Aplicator have developed a new unique system which gives an accurate coupling of gelcoat and catalyst pumping pressure and flow in continuous motion. This has been achieved by careful design and tuning of all internal cavities and moving parts in the pump process and by linking this together with the DF-2000 system (Double Flow hose technology).

Internal mixing

Aplicator's new developed mixing device enables the mixer to be placed just before the spray nozzle tip. The optimal way to introduce the catalyst in the gelcoat flow and thoroughly blend the two components together gives the best control of the end result, a strong gelcoat finish with long term stability.

DF 2000 (Double Flow - hose technology)

This system has a unique feature in having the gelcoat hose carrying the catalyst hose within itself. The benefits of this are the enhanced flexibility, the light weight and clean design, excellent manoeuvrability with the new developed swivel function. The hose also controls the gelcoat:catalyst pressure and flow during operation.

Special Features

- Catalyst slave pump for exact catalyst to gelcoat ratio
- Continuously adjustable catalyst ratio
- Air driven, no electrical connections
- Static mixer in the gun
- Reduced solvent consumption
- Reduced material wastage
- Even flow of catalysed material
- No pressure accumulators needed
- Easy to operate
- Light weight spray gun

