

IPS-8000

– Spray Up Machine



IPS-8000 equipped with drum cart and boom

Aplicator's IPS-8000 is a superbly designed and engineered machine for glassfibre/polyester spray up applications and developed for organisations requiring high production capacities. Using advanced and proven techniques, the machine is easy and safe to handle with simple controls for straightforward operation.

For precise resin to catalyst ratios, the machine is equipped with Aplicator's unique catalyst slave pump that is infinitely adjustable, between 0.8 and 4.0 %. Twin spray nozzles give a perfect external mix of the resin and catalyst with minimal over spray. No flushing of the gun is needed.

IPS-8000

– Spray Up Machine

OPERATION

Aplicator's IPS-8000 machine works with an air driven dualacting 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.

To facilitate degassing and function checks the machine is additionally equipped with a unique recirculation system for the catalyst and resin.

SPECIAL FEATURES

- Catalyst slave pump for exact catalyst-resin ratio
- Continually variable catalyst ratio
- Recirculation of resin and catalyst
- Even flow of catalysed material
- Wheeled chassis for full mobility
- User friendly
- High output spray gun
- Pneumatically operated trigger on gun
- Fibres are impregnated with minimal air content
- No solvent needed

OPTIONS

Drum chart

- Machine chassis with a position for a 200 litre drum

Boom

- Mounted on a drum cart (as above). Post height 2100 mm, boom length 3600 mm & spring balanced

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

GLASS FIBRE CHOPPER GUN

Robust and reliable with bearings used in all moving parts. Pressure between the rubber roller and the knife roller can be adjusted during operation allowing the use of lower grades of glass fibre. The chopper can easily be removed from its casing for cleaning and inspection. For safety reasons the compressed air to the chopper is automatically switched off during disassembly. Chopped glass fibre is fed into an adjustable channel allowing the fibre to be directed into the material mix with a high degree of accuracy. Standard length of chopped fibres is 25 mm but other lengths are available upon request. The chopper has a very high capacity and can also be used for other types of fibres. Up to three strands can be used at the same time.

TECHNICAL DATA

Air supply:	6 bar (90 psi)
Air consumption:	120 litres / litre output
Air consumption – chopper std:	Approx. 320 litre / min
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
Total weight:	Approx. 85 kg