

APLICATOR IPT-8000/HV

Aplicator's IPT-8000/HV is a machine for highly filled resin systems. For example the new Polylite tooling resin system from Reichhold.



Pictures show mouldmaking at AFPA-Laval, France

The mould on the pictures is made at AFPA-Laval in France. The deck has a surface area of 24 m². Thickness 8 mm. Overall length is 6,5 m.

Production time for the mould: 3 persons/4 hours
Resin system: Reichhold's polylite tooling resin system

Application equipment: Aplicator IPT-8000/HV
Total quantity resin used: about 200 kg

Special features

- Catalyst slave pump for exact catalyst:resin ratio
- Continuously adjustable catalyst ratio. Can be changed during operation.
- Air driven, no electrical connections
- Recirculation of catalyst and resin for degassing and function test.
- Special developed Chopper Gun
- Minimum amount of solvent needed for cleaning
- Fibres are impregnated with minimal air content
- Even flow of catalysed material
- Easy to operate
- Drum cart with boom
- High volume

Aplicator's IPT-8000/HV

A well engineered and designed machine. The model is made for those who need very high capacity. Advanced and proved techniques. Easy and safe to handle with simple controls for straight-forward operation.

Equipped with Aplicator's unique stepless adjustable catalyst slave pump for exact resin to catalyst ratio. Polyester and catalyst are mixed internally in a 500 mm static mixer that gives a perfect mix.

APLICATOR IPT-8000/HV

Aplicator's IPT-8000/HV is a machine for highly filled resin systems.

Function

The IPT-8000/HV works with an air driven dual-acting piston pump, both for the resin and the catalyst. The stainless steel constructed catalyst pump is synchronised with the resin 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 pressure relief valve.

The catalyst amount is easily adjusted by a hand-wheel which changes the stroke length of the catalyst pump. The mixing ratio is stepless adjustable. The catalyst is pumped direct from the original container. The resin can be pumped through a suction hose from a 200 litre drum or through a fixed installation from a storage tank.

The machine is also equipped with a unique recirculation system for the catalyst and resin for degassing and function checks.

Technical data:

Connection air:	6 bar (90 PSI)
Air consumption:	65 litres/1 litre output + chopper
Pump capacity:	25 kg/minute
Spray capacity:	Depending on nozzle size and viscosity of material
Max working pressure:	108 bar (1620 PSI)
Pressure ratio:	18:1
Mixing ratio:	continuously variable between 0,5 - 1,25 % by volume, with 50 % filler 1,1 - 1,9 %
Hose length between mixing block and gun:	3 metres
Weight of spray gun:	2450 gr

Special Developed Glassfibre Chopper Gun

Robust and reliable. Ball bearings used in all moving parts. Pressure between the rubber roller and the knife roller can be adjusted during operation allowing the use of inferior glassfibre. The chopper can easily be removed from its casing for cleaning and control. Chopped glassfibre is fed into a specially designed glass feeding channel allowing the fibre to be directed into the material mix with a high degree of accuracy. Standard length of chopped fibre is 25 mm but other lengths are available upon request. The chopper can deliver glassfibre from extremely low capacity up to high capacity and can also be used for other types of fibres. Up to three strands can be used at the same time.

