

# GF-15

– For filled resins (glassflakes, granules etc)



*Re-lining of pipes*

The GF-15 is in the first place intended for filled resins with glassflakes or other abrasive fillers. Components are thoroughly blended by a static mixer mounted on the machine, a pneumatically operated

solvent pump makes cleaning easy and the same catalyst dosage technology that has made Aplicator synonymous with quality products over the decades is used.

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## OPERATION

**Aplicator's GF-15** 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 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 the material is pumped through a single hose to the application tool. As there is no handling of resin 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 resin.

## SPECIAL FEATURES

- Recirculation of resin and catalyst
- Catalyst slave pump for accurate catalyst dosage
- Catalyst volume continuously variable
- Static mixer
- Wheeled chassis for full mobility, with carrying handles.
- All dynamic seals are self lubricating and of the highest quality for minimum maintenance

## FLUSHING

Cleaning the system after use is easily carried out by using the built-in, pneumatically operated flushing pump. Pressing the flush button on the pump will automatically flush the static mixer, hose and tool without manual handling of hazardous solvents.

*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 resin and catalyst for many years, which has consistently proved to be the best method for obviating the problems that can occur with incomplete mixing.

## TECHNICAL DATA

<b>Air supply:</b>	6 bar (90 psi)
<b>Air consumption:</b>	90 litres / litre output
<b>Capacity:</b>	Up to 6 litres / min, depending on viscosity, hose length/diameter
<b>Max. working pressure:</b>	90 bar (1350 PSI)
<b>Pressure ratio:</b>	15:1
<b>Mixing ratio:</b>	Continuously variable between 0.8 and 4.0 %
<b>Hose length:</b>	Standard length 10 m
<b>Total weight:</b>	Approx. 70 kg
<b>Resins to be used:</b>	Polyesters, Vinylesters, etc

## OPTIONS

- Catalyst Flow Control
- Volume meter
- Gel timer