



ClearSpray™ MI0 Spraying System

Ritec ClearShield® is a non-flammable product that can be sprayed safely. The ClearSprayTM M10 is a pressurised spraying system that is both practical and easy to use.



- Practical and easy to use
- No moving parts
- Reliable

TECHNICAL SPECIFICATIONS

Model:ClearSpray™ M10Working Pressure :Approx 5.0 BarSafety Pressure:Pressurised to 15 Bar (meets

safety regs)

Autostop: Approx 5.0 Bar, auto air pressure regulator

Air Pressure Relief: Safe decreased pressure outlet

I Bar Max
tings: Quick release fittings

Typical Coverage at 5 Litres: Continuous spray at 5 Bar 160m²

±10m² on normal float glass

Pressure Container

Dimensions:Height 295 mm x width 225mmWeight:5.7 kg, including spray gun

Composition: Stainless steel
Composition Machine Parts: Stainless steel
Maximum Capacity: Liquid 7 litres

Air Dryer

 Dimensions:
 Height 163mm x width 76mm

 Weight:
 1.0 kg including hose

 Silica Desiccant:
 Corn with moisture indicator

Maximum Temperature: 52°C 10.3 Bar Maximum Pressure: 10.3 Bar Maximum Continuous Airflow*: 2.3dm³/s Total Airflow*: 283dm³/s Total Operational Time @

Maximum Continuous Airflow: 120mins

*With dry desiccant at 100 psi (7 bar) and 21 $^{\circ}\text{C}$

Safe to Use

The ClearSpray™ M10 Sprayer is designed and manufactured to meet the requirements of the ASME VIII standard and adheres to all current H&S regulations. The entire machine has been produced using proven and reliable materials.

Reliable

The ClearSpray™ M10 Sprayer has been designed without any rotating and / or moving parts to reduce maintenance to an absolute minimum.

Quick Release fittings

For uninterrupted work and applicator ease, all connectors incorporate quick release fittings.

Manual Desiccant Dryer & Condensation

For maximum effectiveness the ClearSpray™ M10 Sprayer is supplied with a desiccant dryer, this removes water vapour from the compressed air system. To avoid condensation inside the ClearSpray™ M10 Sprayer, a high quality silica gel corn desiccant dryer with a colour indicator has been built into the system. Visible through the clear polycarbonate plastic bowl, it changes from blue (meaning dry) to pink (meaning wet) to indicate the need to replace the desiccant.

Compressed Air

To build up air pressure in the M10 Sprayer, a small compressor will suffice. However, as most glass processors and sandblasters already have air compressors installed in their factories, the ClearSpray[™] M10 Sprayer can simply be connected to their existing air systems for air pressurisation. Once the air pressure is built up, the ClearSpray[™] M10 Sprayer may be disconnected by simply pressing the release button. Once disconnected, the ClearSpray[™] M10 Sprayer is 'standalone' and portable.



ECO-SYSTEM



Using the ClearSpray™ M10 Sprayer

A simple and straightforward air compressor will pressurise the machine. An automatic pressure stop is built into the system to ensure the machine does not exceed the set air pressure value (75psi).

All connecting valves of the machine are fitted with stainless steel, quick fitting release mechanisms. After successfully pressurising the ClearSpray™ M10 Sprayer, the air hose coil may be disconnected and the air valve will automatically close.

Depressurisation of the system is carried out using the pressure relief valve; this should only be required when filling the pot with ClearShield[®].

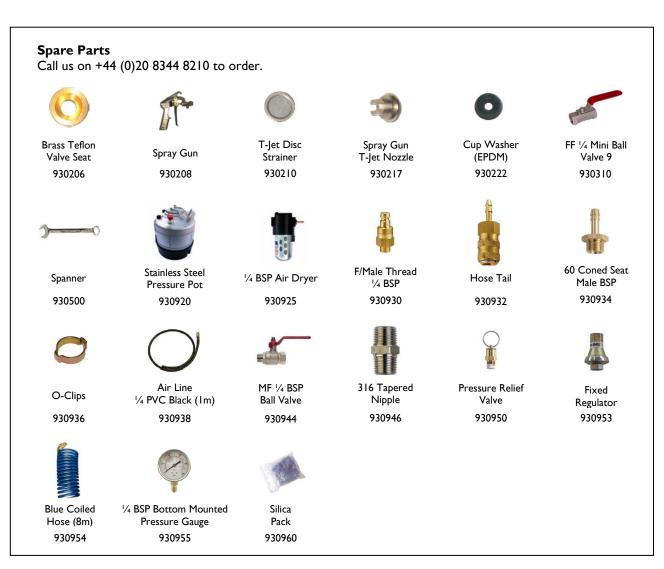
The total capacity (content) of the pressure pot is 7 litres (we advise only to fill up to 5 litres). With an air pressure of approx 5 Bar, this enables an applicator to carry out the spraying undisturbed for typically $160\text{m}^2 \pm 10\text{m}^2$ on normal float glass before additional product and renewed air pressurisation is needed.

Working Pressure

For efficient and economic spraying, the machine is pre-set at a working pressure of maximum 5.0 Bar. The ClearSpray™ M10 Sprayer has a pressure relief valve set at 5.5 Bar to avoid over-pressurisation.

Depressurisation of the System

When the ClearSpray™ M10 Sprayer needs refilling, the machine must be depressurised (the top mounted filling cap will not open otherwise). To depressurise the Sprayer, simply shut the air inlet valve or disconnect the air inlet line, then pull upwards the pressure relief valve using the ring pull.



For greater volumes, please contact us for automatic application machinery options.