



# ClearSpray™ M10 Spraying System

Ritec ClearShield® is a non-flammable product that can be sprayed safely. The ClearSpray™ 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

<b>Model:</b>	ClearSpray™ M10
<b>Working Pressure :</b>	Approx 5.0 Bar
<b>Safety Pressure:</b>	Pressurised to 15 Bar (meets safety regs)
<b>Autostop:</b>	Approx 5.0 Bar, auto air pressure regulator
<b>Air Pressure Relief:</b>	Safe decreased pressure outlet 1 Bar Max
<b>Fittings:</b>	Quick release fittings
<b>Typical Coverage at 5 Litres:</b>	Continuous spray at 5 Bar 160m <sup>2</sup> ±10m <sup>2</sup> on normal float glass
<b>Pressure Container</b>	
<b>Dimensions:</b>	Height 295 mm x width 225mm
<b>Weight:</b>	5.7 kg, including spray gun
<b>Composition:</b>	Stainless steel
<b>Composition Machine Parts:</b>	Stainless steel
<b>Maximum Capacity:</b>	Liquid 7 litres
<b>Air Dryer</b>	
<b>Dimensions:</b>	Height 163mm x width 76mm
<b>Weight:</b>	1.0 kg including hose
<b>Silica Desiccant:</b>	Corn with moisture indicator
<b>Maximum Temperature:</b>	52°C
<b>Maximum Pressure:</b>	10.3 Bar
<b>Maximum Continuous Airflow*:</b>	2.3dm <sup>3</sup> /s
<b>Total Airflow*:</b>	283dm <sup>3</sup> /s
<b>Total Operational Time @</b>	
<b>Maximum Continuous Airflow:</b>	120mins

\*With dry desiccant at 100 psi (7 bar) and 21°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.



### 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 160m<sup>2</sup> ±10m<sup>2</sup> 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.

application equipment

### Spare Parts

Call us on +44 (0)20 8344 8210 to order.



Brass Teflon  
Valve Seat  
930206



Spray Gun  
930208



T-Jet Disc  
Strainer  
930210



Spray Gun  
T-Jet Nozzle  
930217



Cup Washer  
(EPDM)  
930222



FF 1/4 Mini Ball  
Valve 9  
930310



Spanner  
930500



Stainless Steel  
Pressure Pot  
930920



1/4 BSP Air Dryer  
930925



F/Male Thread  
1/4 BSP  
930930



Hose Tail  
930932



60 Coned Seat  
Male BSP  
930934



O-Clips  
930936



Air Line  
1/4 PVC Black (1m)  
930938



MF 1/4 BSP  
Ball Valve  
930944



316 Tapered  
Nipple  
930946



Pressure Relief  
Valve  
930950



Fixed  
Regulator  
930953



Blue Coiled  
Hose (8m)  
930954



1/4 BSP Bottom Mounted  
Pressure Gauge  
930955



Silica  
Pack  
930960

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