

# System 100

## NEWTON 109-LM

### Spray Specification

Rev 1.0 - 12 March 2018

**SPRAY MACHINE**

Graco 595 Pro Contract Tall Boy

• Voltage	110V
• Length (mm)	591
• Width (mm)	521
• Height - Handle down (mm)	718
• Height - Handle up (mm)	972
• Weight	30 kg
• Maximum working pressure (psi)	3,200
• Maximum working pressure (bar)	228
• Suggested working pressure (psi)	1,500 - 2,000
• Maximum fluid flow (LPM)	2.3
• Tip size	Suggested RAC329
• Motor rating - Horsepower	1.6
• Material and solvent capacity	Solvent and water based
• Maximum guns supported	1 (Contractor gun)
• Hose size	1/4" x 15m
• Noise - Sound pressure	90 dBa
• Noise - Sound power	100 dBa

**WARNING**

The most important part of spraying 109-LM through the Graco 595 is the cleaning. This process **must** be carried out as per the instructions detailed on page 2 after every spray operation and will be the sole responsibility of the operators to do so. The consequences of not doing this will result in a blocked and possibly damaged machine and or machine parts.

When temporarily stopping to take breaks, the machine should be left in the 109-LM tub and the guard and tip should both be removed and cleaned.

The cleaning process is performed using cellulose thinners.

**UNDER NO CIRCUMSTANCE SHOULD ANY PART OF THE MACHINE, GUN OR HOSE BE CLEANED WITH WATER.**

We would recommend that 15 metres of hose is used, however in situations where the machines are used extensively then the hose may need to be replaced from time to time.

**START UP**

- On start up remove all filters from machine and gun
- Ensure machine is primed to correct pressure
- Insert the lower of the machine directly into the 109-LM tub
- Pull trigger of gun and spray on a low pressure into an empty tub until product starts to come through the gun
- Put safety catch on gun and install guard and tip
- Continue to spray adjusting your distance and pressure as required

**NOTE**

- Be aware of over spray.
- Do not spray in the rain.
- Temperatures should be +5 to +40 degrees.
- Check the weather the day before and on the day of application.

*Please see page 2 for the cleaning instructions and notes.*

# NEWTON 109-LM

## Spray Specification

### CLEANING PROCESS

1. Remove the 109-LM product from the machine, attach the filter to the lower and drop into 3 litres of Cellulose Thinners (either new or filtered recycled thinner). Continue to spray the 109-LM back into the tub until the thinners have reached the gun
2. Once the thinner has reached the gun, aim the gun into the bucket of thinner and continue to spray for 30 seconds. Next, remove the tip and the tip guard and continue to spray through gun for a further 2 and a half minutes (place the tips and the tip guard into a bucket of clean thinner for cleaning)
3. After the full 2 and a half minutes, turn off the pump and leave the thinner in the machine for a further 2 minutes. Continue to clean the tip and the tip guard
4. Next, switch the pump on and turn to the fast flow setting and run for 2 minutes, after which ensure that the pressure is released and all thinner is removed from the hose
5. Begin to strip the machine down for cleaning
6. Remove and clean the lower with clean cellulose thinner
7. Remove and clean the rear intake hose with clean cellulose thinner
8. Remove and clean the filter with clean cellulose thinner
9. Clean the gun with clean cellulose thinner
10. Reassemble the machine and do a final clean with 2 litres of fresh thinner, before running through for a further 2 minutes on fast flow. Finally, use clean thinner to wipe the machine and the gun down



### NOTE

If the machine is to be used on consecutive days then leave the thinners in the machine and ensure that you run the machine through again before using.

Where the machine has not been used for a while it is recommended that a basic clean is carried out periodically to remove any residual product.

The type of products that are being sprayed through this machine can and will cause blockages over time when left and if spraying in hot weather. The cleaners used will also cause the seals and washers to degrade over time, so it is highly recommended that the machine is serviced regularly in order to maintain optimum performance and also that spare guns and lowers are taken to each job.