

# **SMEG LABORATORY WASHER INSTALLATION REQUIREMENTS**

**The following services are required for the installation of the Smeg GW1050, GW2050, GW3050, GW4050 or GW5050 Laboratory Washers.**

**Water supply:**

Hot and Cold water (Cold water only for models GW1050 and GW2050) can be connected via a ¾" BSP metal thread from mains tap/valve.

Purified water (if available) – either can be directly connected to a reticulated pressurized supply (via ¾" thread – plastic, or stainless steel), or via gravity (requiring an electrically operated low pressure valve, or PAD pump). If not present, this can be disabled on all machines, so that rinsing is via mains supply.

**Flow rate:**

Hot & Cold supply which can maintain a minimum of 100-350 kpa pressure at 10-15 litres per minute flow rate. Maximum pressures above 600 kpa will require a pressure restrictor to lower the flow.

**Water temperature:**

Building site hot water temperature should be between 50-65°C to minimise internal heating required.

**Drainage:**

Can either be sent to a sink (via junction in trap), or separate PVC pipe, both with a minimum height of 400mm from the floor (to prevent siphoning). For installation on a stand, this needs to be adjusted accordingly. Note drainage temp of up to 95°C is possible, so high temperature rating piping required.

**Power supply per Washer:**

Either 3-phase, 415V, or single phase, 240V sockets are required (note model GW2050 is single phase only). 3-phase is recommended, as this ensures that all 3 heating elements are active, thus again speeding up cycle times. A 'Clipsal' 20 Amp socket is advised. If single phase, a 15 amp socket (with a larger earth pin) is required. The unit draws about 11 amps during heating, so the line capacity needs to also be checked to make sure it is not overloaded with other equipment.

**Dimensions:**

**GW2050 Standard Dimensions, External: 850(820) x 600 x 450 mm (HxDxW)**

**GW1050 and GW3050 Standard Dimensions, External: 850(820) x 630 x 600 mm (HxDxW)**

Heights are shown for both under-bench installation, or in the open. Please check bench height to allow at least 850mm for the washer to fit. If a space smaller than 850mmH is present, the washer can be lowered to 820 mm by removing the top and replacing this with a stainless steel flat panel.

**GW3050 Dimensions With Fan Forced Drying, External : 850(820) x 680 x 600 mm (HxDxW)**

Also allow a 20mm gap at the rear for air exhaust from the unit; making a total of 700mm deep.

**GW4050 Standard Dimensions, External : 850(820) x 630 x 900 (HxDxW)**

**Detergents:**

Liquid Detergent and Rinse aid – are automatically dosed via peristaltic pumps installed on the rear of the washer. Containers can be located in a nearby cupboard (by drilling a hole for lines) to allow storage.