

# J.S.T.MEDICAL

MEDICAL + DENTAL + VETERINARY

## INSTALLATION REQUIREMENTS for MELAG EVOLUTION STERILISERS

Models covered are the 40B+ and 44B+.

These Autoclaves require correct installation to ensure the longevity of the units. They are heavy due to the design of the units so that they out perform any other bench top steriliser on the New Zealand market.

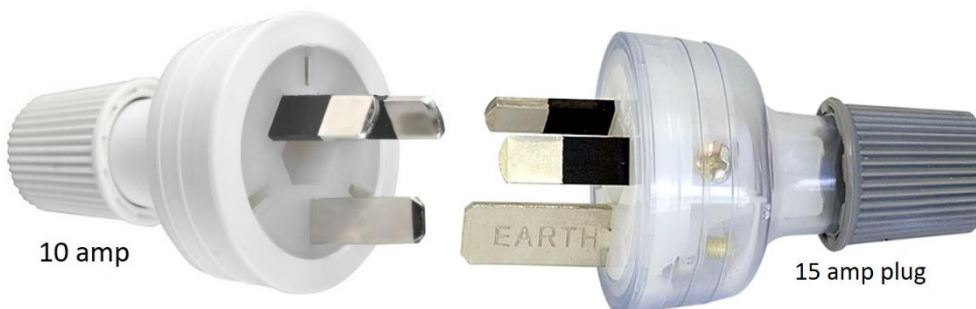
### Bench design:

The units require a sturdy bench capable of supporting the weight of the units. The weight loading is 3,02 kN/m<sup>2</sup> for the 40b+ and 2.82 kN/m<sup>2</sup> for the 44B+. The bench must be level. The depth of the bench is to be **50cm for the 40B+ and 60 cm for the 44B+.**

If the water and drain connections (see below) are below the bench then a hole at a **Minimum of 32mm** must be put in with smooth edges. Please contact your installing tech before drilling to ensure the correct spot.

### Electrical Connection:

The power supply to both the 40 B+ and the 44B+ is to be a **15 Amp dedicated circuit**. The outlet is a 15Amp GPO (general purpose outlet) to be supplied above the bench. This GPO is to be within 50cm of the steriliser and not directly behind the steriliser.



## Water feed:

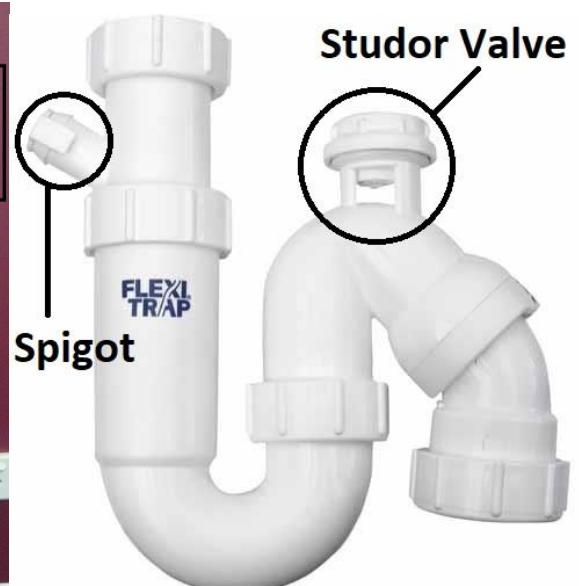
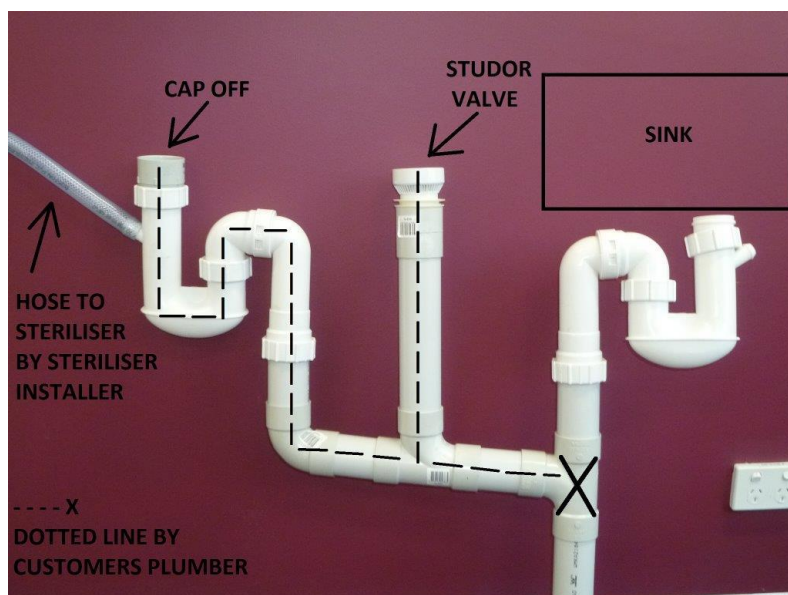
We require a cold water tap (example below) to be supplied for connection of cold water to Autoclave. The water pressure range is 2 -4 bar at a flow rate of 4.4 L/Minute. The maximum static pressure is 10 bar. Water is to be of drinking quality. The outlet thread of the **tap is to be 20 mm BSP**. This valve is to be supplied below the bench and is to be within 1 meter of the Autoclave.



We strongly recommend adding a [water stop valve](#) to the installation.

## Drain:

This can be connected direct to a "spigot" on the 'S' trap of a sink. The discharge temperature does not exceed 80°C. This connection is to be below the bench and within 1 meter of the steriliser. If you are connecting into an existing drain line with a sink connected you must get connect the autoclave into a new 'S' bend with an inbuilt **studor/air admittance valve** (as shown below). **The top of the drain must be capped off.**

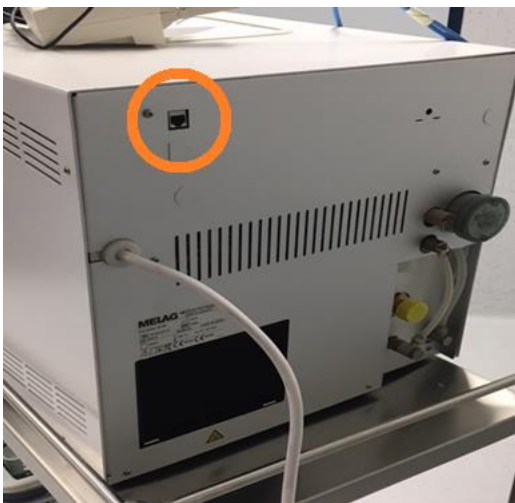


### Additional options - Fitting a MELAdem 40 to the steriliser;

The MELAdem 40 can clip to the side of the steriliser or wall mounted, and the installing company will fit and pipe it into the cold water supply. Wherever the MELAdem 40 is mounted it needs to be accessible so the operators can change the filters when they expire. The steriliser monitors the outgoing water quality of the MELAdem 40 and alerts the operator so there is no need for extra monitoring instruments. The physical size of the Meladem 40 unit is Height 35cm x Length 31.5 cm x Thickness 15, 5 cm.

### Ethernet connection;

The unit has the ability to communicate with a network system should this option be needed for tracking or downloading of records to a network. The unit is supplied standard with an Ethernet point and requires a Cat 5 point to enable networking.



### General Notes;

There are several printer options- these being log printers and bar code label printers. For any electrical accessories chosen we require a standard double 10 Amp GPO and possible an Ethernet point to be provided for these accessories. This double GPO is to be provided within 50 cm of the steriliser for accessories.

The Autoclaves must be serviced annually to meet the requirements of AS/NZS 4815 and AS/NZS 4187. Consideration must be given to the space required so that a technician can service the sterilisers efficiently thus reducing the downtime when servicing is required. Melag units can be repaired and serviced on site and do not require removal to effect repair.

For technical assistance please contact James on 021667987 or email [info@jstmedical.co.nz](mailto:info@jstmedical.co.nz)

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