

Hot melt B4 melter for manual applications in both versions: piston and gear pump



Handgun for line application and swirl application

Wide range of flexible hoses with a lot of internal diameters and lengths

meler 

Line/ Swirl Handgun system B4

GLUING
SOLUTIONS

'Plug and glue'

The B4 has been specifically to suit manual and 'low cost' automatic applications. The unit will melt adhesive at a maximum rate of 6kg per hour.

Two Pump Styles

The gear pump version has a maximum pumping rate of 6kg per hour and a pressure relief valve to ensure a smooth delivery of the adhesive. The relief valve is easily adjusted from the outside of the melter. The piston pump version has a maximum pumping rate of 29.3kg per hour. The pressure regulator and gauge are also accessible from the outside of the melter allowing for easy adjustment. Pumping rate of 6 kg per hour for gear pump (fixed speed).

Electronic Control unit

The electronic control of the B4 has been developed using the same proven design principles of all the new Meler products and it's simple and reliable operation provides temperature control from 40°C to 200°C with an accuracy of $\pm 0.5^\circ\text{C}$.

Hose Connections

The B4 has two hydraulic and electrical hose connections to the rear of the unit. The hydraulic connections are industrial standard 9/16 JIC and the electrical connections are available to heat the hose and gun with RTD control.

Tank

The melting tank of the B4 has a large surface area which gives an optimal melting rate. The tank has a large lid for loading adhesive and has a filter and drain valve for easy maintenance.

Pump Motor

The B4 gear unit has a stop/start switch for the motor and an external electrical input for automatically starting the pump motor by the main machine or gun trigger.

Compatibility

Compatibility is one of the main characteristics of B4 melters. They have been designed to be compatible with either PT100 or Ni120 temperature sensors and can therefore replace most hot melt equipment in the market.



Manual system with line handgun includes:

- 1 x B4 melter piston or gear pump
- 1 x handhose, length 2.4 o 3.0 m (other dimensions available)
- 1 x handgun for line application MM-RR
- 1 x bead nozzle FMM-0,50 (other dimensions available)

Manual system with swirl handgun includes:

- 1 x B4 melter piston or gear pump
- 1 x handhose, length 2.4 o 3.0 m (other dimensions available)
- 1 x handgun for swirl application MM-RR-E
- 1 x swirl nozzle E-0,45
- 1 x air regulator unit 230 VAC
- 1 x adaptor (wires and pneumatic pipe) for swirl handgun (length according handhose dimension)

B4 MELTER

Hot melt 4kg melter for manual applications in both versions: piston and gear pump. Equipped with a weekly program timer for the daily start up and shutdown of the system. Individual readout and control of all heated channels (tank and two hose-gun pairs). Warning alarms for overheating and temperature sensor breakdown of every heated element. According to European/EMC standards (see meler B4 melter brochure).

HANDHOSE

Meler offers a wide range of flexible hoses with a lot of internal diameters and lengths, and they can be supplied with different electrical connections for adapting to all market standards (see Meler hoses brochure).

Their reduced weight and excellent handling abrasion qualities allow for prolonged work with minimal effort. The external reinforced cover of the hose offers a high level of protection against damage and wastage.

HANDGUN

Meler handguns are robust and reliable mechanical components that guarantee a high level of precision and uniformity in the application of adhesive. They are easy to operate, lightweight and versatile due to their 360° angle rotation (see Meler handgun brochures).

Uniform heat is maintained throughout the system from tank to gun nozzle. A safety catch prevents the trigger from being accidentally operated.

The swirl hand gun can be used to apply a spiral of adhesive on to any surface. They also increase the area glued while considerably reducing adhesive consumption. The complete manual system is supplied with an air regulator set.



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