

ABSTRACT

TUBE HEATER AND SEALER AND METHOD FOR SEALING THERMOPLASTIC TUBES AND PIPES

The invention relates to the heating and closing of thermoplastic tubes. The problem addressed by the invention is that of making it possible to close a wide variety of thermoplastic tubes, in particular with Shore hardnesses of around 50 (A) to above 100 (A), having inside diameters of 1.6 mm to 35 mm and/or wall thicknesses of 0.8 to 4.8 mm. The problem is solved by means of a tube heater having at least one heating element. The heating element has at least four heatable regions which are movable with respect to one another. The tube heater is configured to enclose, in the applied state, at least 75% of the circumference of the tube while bearing against the latter over its circumference at at least four points which are spaced apart from one another. One of the key advantages is that, prior to compression, the tube can already have been heated at a plurality of points on the tube.

[Fig. 1]