

Temperature modifying apparatus, associated with garments and/or similar protective gear covering at least in part the human body and equipped with a heat generating device and a heat exchanger being in thermal contact with it and providing heat energy to the body. The heat exchanger is formed as an inlay designed as a flexible piping, including and transporting a liquid heat transmitting medium consisting of water and/or anti-freezing liquid, fixed as a pipe-coil under the inner lining of the clothing, and the heat transmitting medium is conducted through a passage of a heat-exchange block created within a heat energy generating device realized with a small-size portable propane-butane burner arranged in a housing thermally insulated from the environment and linked to the water/air heat exchange block.