CLAIMS

1. A pump for administering an agent to a patient, wherein the pump comprises:

   a housing;

   a unitarily-formed conductive path configured to transfer heat to the housing;

   a power supply coupled to the unitarily-formed conductive path such that the housing is configured to receive heat from the conductive path to act as a heat sink for the power supply;

   a motor operatively coupled to the housing;

   a gearbox operatively connected to said motor;

   a sensor for sensing rotation of said motor;

   a controller acting to control operation of said motor and monitor the quantity of said agent delivered to said patient using said sensor; and

   a pump assembly;

   wherein, the pump is configured to interchangeably receive one of a syringe pump assembly and a peristaltic pump assembly.

2. The pump of claim 1, wherein the pump is field interchangeable from a syringe pump or peristaltic pump respectively to a peristaltic pump or syringe pump via supplanting one pump assembly with a differing pump assembly.

3. The pump of claim 1, wherein the motor is coupled to the housing such that the housing is a heat sink for the motor.

°°°