CLAIMS

What is claimed is:

1. An anti-drool mechanism for high consistency silicone rubber vertical compression injection molding, said anti-drool mechanism comprising of:

   a shuttle gate assembly having

   (a) a shuttle sleeve with grooves at one end of the shuttle sleeve body and an opening at the other end of the shuttle sleeve for high consistency silicone rubber material to flow through;

   (b) a nozzle holder section customised at one end to be able to fit with the grooves of the shuttle sleeve;

   (c) the other end of the nozzle holder section has a specially customised slot that leads to the interior of the nozzle holder section, whereby this slot is for a cold nozzle to be encapsulated within a cooling jacket, and wherein

   (d) the entire set of the nozzle holder section with the shuttle sleeve forms part of a cold nozzle assembly that is located on one side of a mold plate, and wherein

   (e) depending on the movement of the mold plate, it will cause the cold nozzle to go through the mold plate that has a cam groove inside it, and wherein

   (f) an activating pin on the shuttle sleeve will then slide in the cam groove to rotate the shuttle sleeve, thus

      (i) forcing the shuttle sleeve to rotate anti-clockwise and align the shuttle opening to nozzle, allowing the high consistency silicone rubber material to flow through, or

      (j) forcing the shuttle sleeve to rotate clockwise and seal off the shuttle opening to nozzle, thus preventing the high consistency silicone rubber material to flow through.