CLAIMS

1. A dispenser (11) comprising a dispenser housing (10) having an opening suitable for accommodating a refill cartridge and having a dispensing aperture (14), a refill cartridge (12) in the refill cartridge opening (17), the refill cartridge comprising a container for containing a fluid, the improvement wherein the dispenser includes:

a) hollow transfer tubes (20) (22) each having at least two openings extending from the dispenser housing and terminating in a sharp point at a second end, one of said transfer tube openings being in communication with a conduit in the housing leading directly or indirectly to the dispensing aperture (14) and

b) the cartridge including cylindrical (36), (38) walls defining apertures sealed at one end with a polymeric seal, one cartridge aperture being large enough to accommodate the transfer tube (20), the cartridge apertures receiving the transfer tubes, one cartridge aperture being in communication directly or indirectly with the fluid contained within the container of the cartridge (12), the transfer tubes (20), (22), being contained in a holding block (18) in the dispenser housing (10) and one of the transfer tubes permitting air to vent through a venting tube 140 and out vent opening 150, the second ends of the transfer tubes being spaced inwardly from the opening at the outer end of the holding block (18).

2. The dispenser according to claim 1 wherein the polymeric seal comprises an elastomer.
3. The dispenser according to claim 1 wherein the polymeric seal comprises a thermoset elastomer.
4. The dispenser according to claim 1 wherein the polymeric seal comprises liquid silicone rubber.
5. The dispenser according to claim 1 wherein the transfer tube (20) comprises a hollow wall having a first opening at a first end, the transfer tube terminating at a penetrating point at a second end and the transfer tube extending 360° around a central axis and the transfer tube further comprising a second opening spaced from the first opening.
6. The dispenser according to claim 5 wherein the transfer tube wall comprises two approximately 180° sides and the second opening is contained within one of said sides.
7. The dispenser according to claim 5 wherein the transfer tube wall comprises a rounded side extending approximately 180° around the central axis and a second side including the

second opening, the second side including a flat wall, the second opening being received within the flat wall.

8. The dispenser according to claim 1 wherein the seal is re-sealable.
9. The dispenser according to claim 1 wherein the polymeric seal is formed from silicone discs.
10. The dispenser according to claim 1 wherein the first and second transfer tubes penetrate the seals in the first and second cylindrical walls whereby one of the transfer tubes permits liquid to exit the cartridge and the other permits air within the cartridge to vent.
11. The dispenser according to claim 10 wherein the venting transfer tube permits air to in-vent and out-vent.
12. The dispenser according to claim 1 wherein the transfer tubes are needles.