[0005] Accordingly, there is a need for a liquid delivery system that is anaerobic (vacuum), easy to clean, modular, has a simple and cheap installation, has little or no maintenance, provides easy loading/unloading of liquid bags or the like (if desired), provides disposable tubing to provide a sanitary device and can easily be modified where needed to suit particular applications.

Object of the Invention

[0006] Embodiments of the present invention seek to substantially overcome or at least ameliorate one or more of the disadvantages of the prior art, or to at least provide a useful alternative.

Summary of the Invention

[0007] There is disclosed herein a pressurised liquid delivery assembly having:

at least one liquid delivery module, each said module including:

a housing and an associated compartment, said compartment being a draw slidably locatable within said housing and moveable with respect to said housing to permit access by a user to said compartment;

said draw including a removable cartridge defining a space adapted in use to receive and hold a replaceable pressurised receptacle containing liquid to be dispensed by said assembly;

a liquid dispenser operatively associated with said receptacle and adapted to dispense liquid;

said dispenser including a conduit extendable from a dispensing nozzle to a liquid receiving connector, said liquid receiving connector adapted to releasably connect to said liquid receptacle in use.

[0008] Preferably, said compartment is a draw, said draw being slidably locatable within said housing.

[0009] Preferably, the draw includes a removable cartridge adapted in use to hold a receptacle.

[0010] Preferably, said housing is generally rectangular in shape.

CLAIMS

1. A pressurised liquid delivery assembly having:

at least one liquid delivery module, each said module including:

a housing and an associated compartment, said compartment being a draw slidably locatable within said housing and moveable with respect to said housing to permit access by a user to said compartment;

said draw including a removable cartridge defining a space adapted in use to receive and hold a replaceable pressurised receptacle containing liquid to be dispensed by said assembly;

a liquid dispenser operatively associated with said receptacle and adapted to dispense liquid;

said dispenser including a conduit extendable from a dispensing nozzle to a liquid receiving connector, said liquid receiving connector adapted to releasably connect to said liquid receptacle in use.

2. The liquid delivery assembly according to claim 1, wherein said compartment in an open position provides access to said space to receive said receptacle.

3. The liquid delivery assembly according to claim 1, wherein said compartment in a closed position sealingly engages said compartment with said housing.

4. The liquid delivery assembly according to claim 1, wherein said receptacle is a pressurised liquid bag.

5. The liquid delivery assembly according to claim 1, wherein said dispenser includes a handle extending from said nozzle.

6. The liquid delivery assembly according to claim 4, wherein in use said bag is placed in a vacuum.

7. The liquid delivery assembly according to claim 6, wherein said liquid is driven through said conduit towards said nozzle by way of an anaerobic state of said bag.

8. The liquid delivery assembly according to claim 1, wherein said assembly includes one or more said modules operatively associated with each other and one or more said nozzles.

9. The liquid delivery assembly according to claim 1, wherein said one or more modules are connectable together.

10. The liquid delivery assembly according to claim 5, wherein said handle includes a stop to prevent liquid from flowing through said conduit.

11. The liquid delivery assembly according to claim 1, wherein said conduit is disposable.

12. The liquid delivery assembly according to claim 1, wherein said assembly can be locatable within a back pack or other transportable device.

13. The liquid delivery assembly according to claim 1, wherein one or more bags can be loaded within said compartment, said assembly including a connection to connect two or more bags to one or more said nozzle(s).

14. The liquid delivery assembly according to claim 1, wherein said assembly includes a frother to froth said liquid prior to delivery to said nozzle.

15. The liquid delivery assembly according to claim 4, wherein said assembly includes an agitator adapted to agitate a liquid delivered from said bag.

16. The liquid delivery assembly according to claim 4, wherein said assembly includes a piercer adapted in use to pierce said bag to permit liquid located within said bag to flow to said nozzle.