

MODULAR VALVE APPARATUS AND SYSTEM

ABSTRACT

A valved manifold module is disclosed, constructed and arranged to be readily connected in a chain with similar modules to form a manifold assembly. The modular nature of the apparatus allows for convenient expansion or modification of the manifold assembly to suit any application that comprises a group of pneumatically or hydraulically driven pumps, valves or combinations thereof in a liquid flow control apparatus. The valved manifold module in an example can be configured to accept a group of four substantially identical valve assemblies, and can be controlled by a local controller mounted to the manifold module, thus forming an independently programmable valved manifold module. The resulting modular system is readily expandable to allow for coordinated operations of a liquid flow control system, using substantially independent controller functions originating at the manifold assembly level.

Figure 35E