



Specifications for the Hydro Model EJH-3000-CL2 Ejector **Specification EJH-3000-CL2**

1.01 GENERAL

1.01.1 Completeness

The system shall be complete with all components, equipment, and appurtenances.

1.01.2 Quality Assurance

All materials and components shall be new and unused of first quality by well-known manufacturers. Inferior materials or components shall not be allowed.

1.02 MANUFACTURER

The manufacturer shall be Hydro Instruments, Telford, PA, USA or approved equal. The ejector shall be Hydro Instruments Model EJH-3000-CL2.

1.03 SPECIFICATIONS

1.03.1 General

1. The ejector shall include a water operated venturi nozzle and a spring operated normally closed check valve assembly.
2. The ejector shall have a chlorine gas feed capacity of not less than 4000 pounds per day (75 kg/hr).
3. The ejector shall be constructed of materials suitable for chlorine gas under vacuum and chlorinated water solution.
4. The chlorine gas vacuum connection shall be a 1.5" Schedule 80 PVC threaded Union.
5. The ejector shall have 3" Flange Connections with a Van Stone four bolt pattern for water inlet and chlorinated water solution outlet.

1.03.2 Ejector

1. The ejector shall be water operated Venturi nozzle type. Ejectors shall provide the operating vacuum for the chlorination system.
2. The ejector shall incorporate a spring loaded, normally closed check valve to prevent the backflow of water into the chlorine gas equipment. The check valve shall be suitable for backpressures up to a minimum of 100 psi.
3. The ejector check valve shall automatically close upon the loss of vacuum in the Ejector.