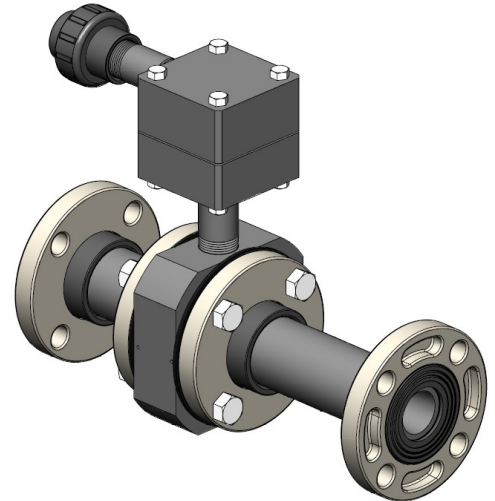


Hydro Instruments has been manufacturing the highest quality, longest lasting and most reliable gas chlorination equipment since 1978. Our equipment is manufactured in the USA using only the highest quality materials for both chemical resistance and physical durability.

Hydro Instruments constructs its products using parts that are precision machined from the best materials for gas service.

Features

- Up to 6,000 PPD (120 Kg/h) Cl₂ or SO₂
Also available for Ammonia NH₃ and Carbon Dioxide CO₂
- Multiple nozzle & throat combinations available to work under various hydraulic conditions
- Integral check valve to prevent water from flooding the system
- Can be installed vertically or horizontally
- Van Stone style 150# socket flange process connections
- PVC union vacuum connection



Description

Hydro Instruments' Series 3000 ejectors are backed by a 3-year manufacturers warranty. Bodies, nozzles and throats are machined from solid PVC stock for maximum wall thickness and strength.

Working on the Venturi principle; as high pressure water is passed through a small orifice its velocity increases, resulting in a drop in pressure. This drop in pressure is great enough to create a vacuum condition downstream of the nozzle and pull the chemical into the water.

By changing the nozzle and throat combination in the ejector the maximum chemical feed rate (i.e. capacity) of the ejector can be changed and/or the required supply pressure and water flow to operate the ejector tailored to the available system hydraulics.

Capacity & Ordering Information

Part Number	Description
EJH-2000-CL2	2" flanged ejector, fixed orifice with spring loaded diaphragm check valve 3000 PPD (60 kg/h) max.
EJH-3000-CL2	3" flanged ejector, variable orifice with spring loaded diaphragm check valve 6,000 PPD (120 kg/h) max.
EJH-4000-CL2	4" flanged ejector, variable orifice with spring loaded diaphragm check valve 6,000 PPD (120 kg/h) max.

Specifications

1. General

- A. The ejector shall be water operated Venturi nozzle type and shall provide the operating vacuum for the chlorination system.
- B. The ejector size and chlorine gas feed capacity will be as follows:
 - 1. 2" ejectors up to 3,000 pounds per day (60 Kg/h)
 - 2. 3" ejectors up to 6,000 pounds per day (120 Kg/h)
 - 3. 4" ejectors up to 6,000 pounds per day (120 Kg/h)
- C. The ejector shall be constructed of materials suitable for chlorine gas service under vacuum and chlorinated water solution.

2. Ejector

- A. The ejector shall include the following:
 - 1. Van Stone style flanged connections for water inlet and chlorinated water solution outlet
 - 2. Sch.80 PVC union vacuum connection
- B. The ejector shall incorporate a spring loaded, normally closed check valve to prevent the backflow of water into the chlorine gas equipment. This check valve shall automatically close upon the loss of vacuum in the ejector.
- C. The ejector check valve shall be suitable for back pressures up to a minimum of 100 PSI.

EJH-2000-CL2

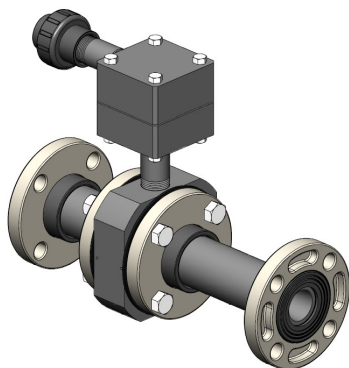
2" Ejector—Up to 3000 PPD (60 Kg/h)

Process

Connections: 2" 4-bolt Van Stone flange in/out

Vacuum

Connection: 1" PVC union



EJH-3000-CL2

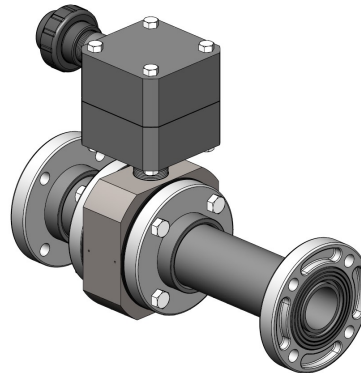
3" Ejector—Up to 6,000 PPD (120 Kg/h)

Process

Connections: 3" 4-bolt Van Stone flange in/out

Vacuum

Connection: 1.5" PVC union



EJH-4000-CL2

4" Ejector—Up to 6,000 PPD (120 Kg/h)

Process

Connections: 4" 8-bolt Van Stone flange in/out

Vacuum

Connection: 1.5" PVC union

