

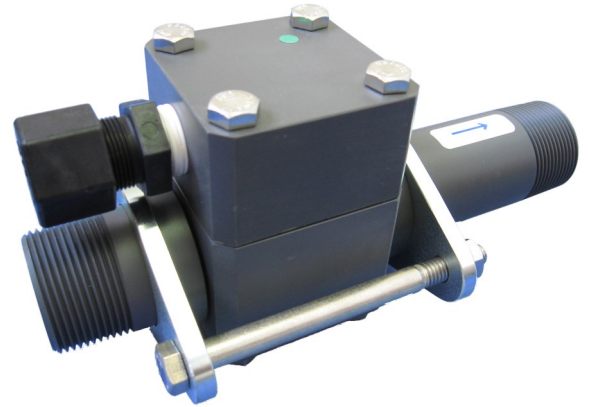


# Series 300 Ejectors Up to 600 PPD (12 Kg/h)

The Hydro Instruments ejectors have been expertly designed and each one carefully tested to guarantee years of solid operation. They are constructed of the finest materials available for gas service and carry the industry's best warranty.

## Operation

The ejector is arguably the most important piece of equipment in the gas feed system because it provides the vacuum necessary to operate the vacuum regulator and pull gas through the system.



## Check Valve

The Series 300 ejectors are offered with two types of integral check valve to prevent the backflow of water into the system.

- O-Ring check valve that is designed to be incredibly versatile and usable in most applications.
- Gasket check valve which tends to be better suited for smaller feed rate applications.

## Specifications

### Feed Capacity

Capacity	Tubing Size	Inlet (Nozzle)	Outlet (Throat)
100 PPD (2 Kg/h)	3/8", 1/2", 5/8"	3/4" NPT	3/4" NPT
250 PPD (5 Kg/h)	1/2", 5/8"	1-1/4" NPT	1-1/4" NPT
600 PPD (12 Kg/h)	5/8"	1-1/4" NPT	1-1/4" NPT

Different inlet nozzle and throat orifice sizes are available for the ejectors. Please refer to Hydro Instruments' ejector nozzle charts for this information and proper nozzle/throat selection.

The ejector can be installed in any orientation, wall mounting brackets are available.

### Back Pressure Information

Back Pressure	Ejector Option
145 PSI (10 bar)	Standard models
250 PSI (17 bar)	Ejectors with high pressure body plates.

The point of injection should be carefully chosen so the water pressure at the discharge side of the ejector is as low as possible. If the back pressure will exceed 250 PSI than a diaphragmless high pressure ejector should be used.

Piping should be arranged in a way that will not allow for a siphon. If this cannot be avoided than an anti-siphon ejector should be used.

