# Liquid Jet Ejector

**Liquid Jet Ejectors** are specially designed to operate using water, solvent or any other clear liquid and generate vacuum corresponding to the vapor pressure of the liquid. They are very useful for applications when expensive process fluid is to be recovered. They are most suitable for low non-condensable and high condensable loads in applications like distillation and evaporation. External heat exchanger can be provided to maintain liquid temperature in accordance with vacuum requirement. For higher vacuum, liquid jet ejector can be utilized along with a steam jet ejector combination system. The whole system can be supplied as a pre-assembled skid mounted unit for quick installation.



**Liquid jet ejectors** are jet pumps, motivated by a high pressure liquid. They use the kinetic energy of the pressure liquid to entrain gases and vapors, slurries and other liquids or granular solids and then discharge the resultant mixture against a counter pressure.

Operating through converting the kinetic energy of moving water into velocity energy, this ejector is widely used in oil & petroleum sector. There are different models in which these ejectors are available for our clients. Manufactured from high end quality metals and components, these **Liquid Jet Ejectors** are widely recognized for their high operational fluency, low maintenance and high productivity.

Liquid jet vacuum ejectors convey and compress gases or vapours with the aid of a liquid motive fluid. During this action vapours - corresponding to pressure- and temperature ratios - can be partially or completely condensed.

## Air Ejector.

**Air Ejector** works on the principle of convergent or divergent nozzle as it provides the venturi effect at the point of diffusion as the tube gets narrows at the throat the velocity of the fluid

increases and because of the venturi affect it pressure decreases, vacuum will occur in the diffuser throat where the suction line will be provided.

An air ejector which uses the high pressure motive fluid such as air or steam to flow through the convergent nozzle the function of the convergent nozzle is to convert the pressure energy of the motive fluid into the velocity energy.

**Water Jet Ejectors**

This ejector is manufactured with the use of paramount quality components and the leading edge technology under the visionary guidance of our highly skilled professionals. Known for its high efficiency and less maintenance, the provided ejector is also tested on certain parameters in order to ensure its flawlessness. Moreover, we offer this Water Jet Ejector in various specifications at economic rates.

In this system, the motive force is taken through the kinetic energy of moving water. Considered as the cost effective system for handling condensable vapors, the ejector system has simple design and no moving parts. Clients acclaim this Water Jet Ejector System for its minimal maintenance, self priming and durable construction.



The offered system is manufactured under the vigilance of our adroit professionals using top-notch quality components with the aid of latest techniques. This system finds its application in paper, sugar, food processing, pharmaceutical and water treatment plant for the ejection of water with high pressure. Apart from this, we are providing this **Water Jet Ejector Vacuum System** at competitive prices.

Supplying and exporting an advanced range of **Water Ejector System**. These systems are widely used in industries for separating water from a required solution. We manufacture these systems in different specifications to choose from. Made from certified quality of metals, these

ejector systems are highly recognized for their durable construction, high efficiency and smooth operation. In market, this type of **Water Ejector System** is offered at industry leading price.

Features :-

- Smooth working
- Easy operations
- Less maintenance
- Highly efficient

For more information please contact us or call on +912532501600 / 9921391762
http://www.crystaltcs.com/process-gas-ejectors.php