

Spindle Ejector

the best choice for heating of Methanol Reactors



PRODUCT OVERVIEW

The primary interest is the use of adjustable ejectors in dTVC (thermal vapor compressor) desalination system, which requires various ejector operating conditions with the diversification of the system condition. The adjustable ejector employs a spindle axially into the nozzle throat and changes the nozzle throat area. The variation of operation parameters was investigated on different spindle positions. one can employ ejectors with nozzles that have variable cross-sectional areas. An adjustable ejector has an adjustment spindle, which axially extends into the motive steam nozzle and is actuated either manually or by an electric positioner.

TYPICAL APPLICATIONS

The adjustable vacuum pump is an important equipment widely used in chemistry, petroleum, metallurgy, power plants and food industry to obtain a vacuum environment for various special techniques especially for Methanol reactors in the petrochemical plants. They can easily have multiple performance points which helps us to control pressure and temperature of reactor.

PRODUCT RANGE

In the field of vacuum processing, steam jet ejectors have been most widely used. Our ejectors are ideal for use on all kinds of stills, vacuum deaerators, evaporators, crystallizers, oil deodorizers, steam vacuum refrigeration, flash coolers, condensers, vacuum pan dryers, dehydrators, vacuum impregnators, freeze dryers, vacuum filters and more recently on stream degassing of metals and vacuum melting of metals. Different sizes are designed and manufactured to meet your specific requirements.

DESIGN CODES & STANDARDS : ASME Sec.VIII Div 1, HEI, TEMA
MECHANICAL DESIGN SOFTWARES: PVElite, Abaqus, NozzlePro, Solidworks

ACCESSORIES

All applicable sizes are supplied with the following accessories:

- Motive Nozzle
- Diffuser
- Connection Flanges and interconnecting
- Bolts & Nuts and Gaskets
- Silencers
- Steam Valves



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