

FLO TREND

EDUCTOR

APPLICATIONS:

- Pumping Sludges and Slurries
- Waste Removal
- Tank Mixing
- Blending
- Agitation
- Batch mixing of dry chemicals



Flo Trend® System's Eductors are designed to efficiently convey or mix powders, pellets, granular material, and bulk solids using a motive liquid stream. This makes the batch mixing of dry chemicals a simple operation and can offer solutions to a wide range of other applications.

PARTS AND FUNCTION

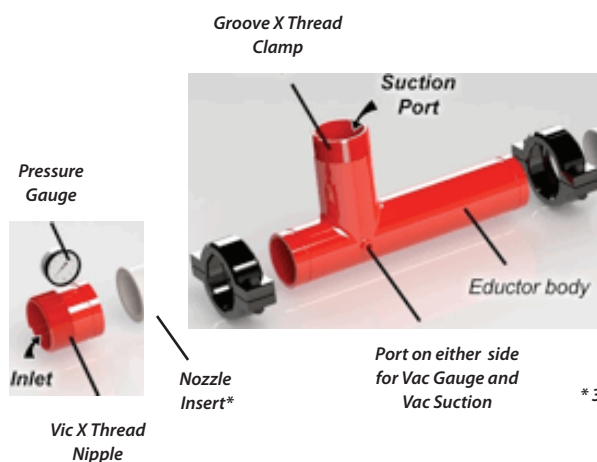
The Eductor consists of an inlet nozzle, a suction port section and an outlet venturi. Flo Trend's Eductors utilize replaceable nozzle and venturi inserts making maintenance simple and cost effective.

INLET: The liquid enters under pressure and flows through the jet nozzle into the suction chamber and out through the venturi. The tapered nozzle converts the pressure of the motive liquid into a high velocity stream.

SUCTION: Liquids and solids present in the suction chamber are entrained by the high velocity stream from the nozzle. This creates a low pressure zone in the suction chamber to draw in material through the suction port.

DISCHARGE: The solids or liquids introduced through the suction port blend with the motive liquid stream, acquiring energy in the diffuser (venturi) section as it exits the eductor. The velocity of the mixture is converted to a pressure less than the motive pressure but with great enough velocity recovery to overcome back pressure downstream.

STANDARD EDUCTOR CONFIGURATION



* 3 available nozzle sizes for each size eductor