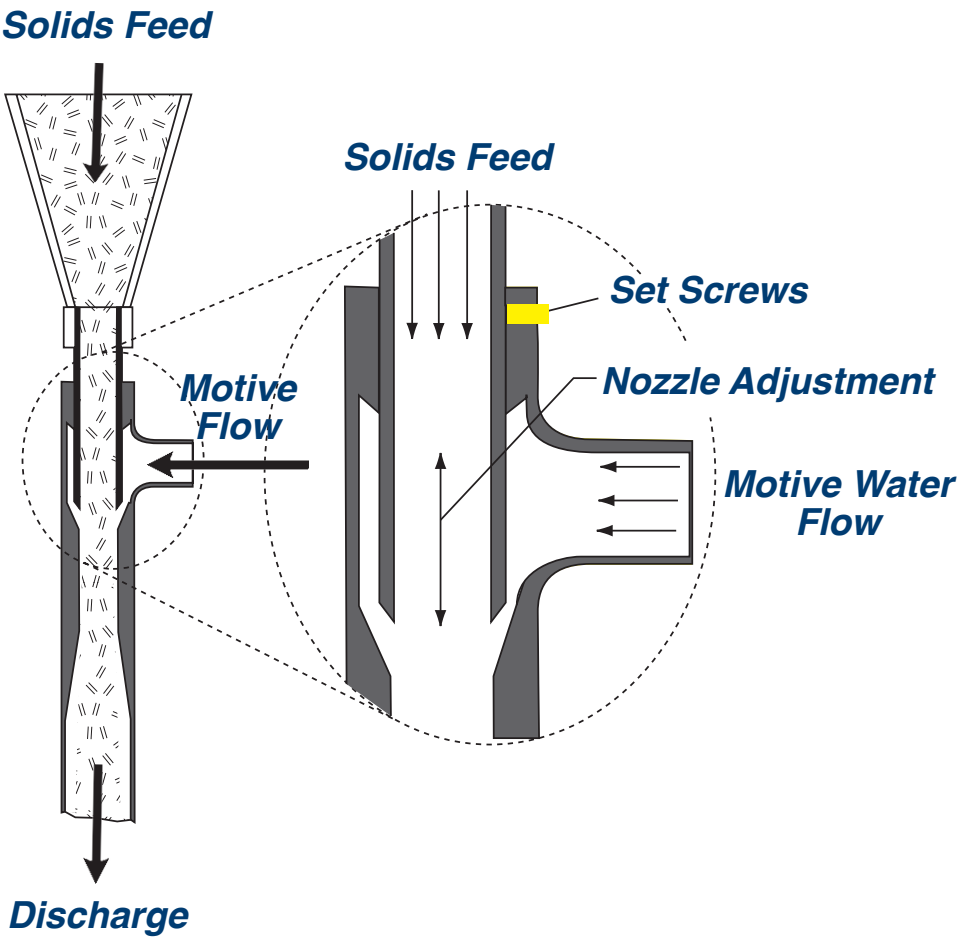


Installation Instructions
Fox 827 CAX Slurry Eductors
Coaxial Water Jet Slurry Eductors For Hard-to-Wet Solids

Fox coaxial Slurry Eductors are a simple, efficient way to mix and dissolve gums, resins, polymers and other hard-to-wet powders. Properly installed and operated, the ***Fox Coaxial Water Jet Slurry Eductors*** *can reduce or eliminate the formation of lumps and so-called "fish eyes", and thereby reduce mixing time.*



Installation

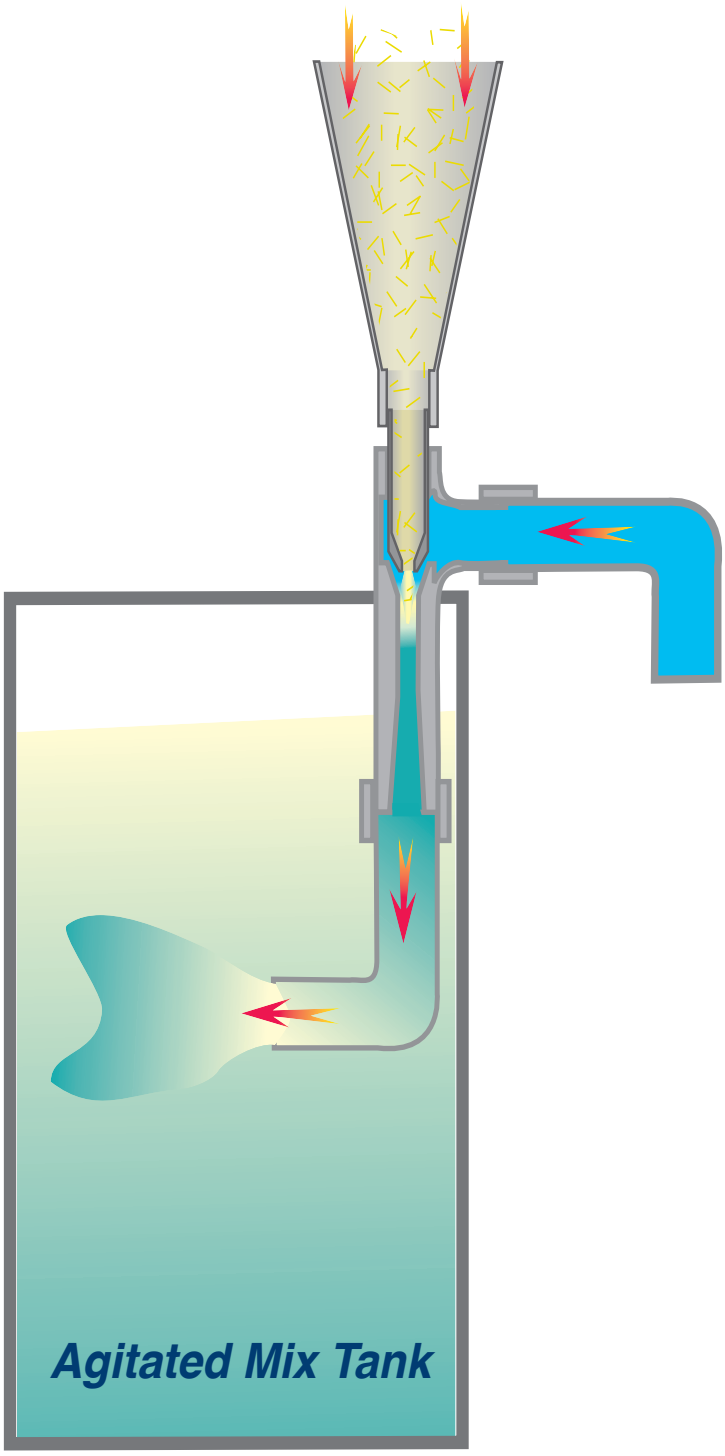
Fox coaxial eductors must be installed discharging vertically downward. Since backpressure reduces the capacity of the eductor, all units should be installed with a minimum length of discharge line. The discharge may be sealed by submerging a few inches of discharge pipe in liquid. If the discharge line must have a bend or offset, 45° elbows are recommended. Discharge line size must match the eductor discharge connection size and should **never** be reduced.

A pipeline strainer can be useful in preventing plugging of the motive nozzle. Slurry should not be recirculated back to the eductor motive inlet.

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F O X

Installation Instructions
Fox Coaxial Slurry Eductors



Operation

The Fox slurry eductor can create high vacuum when properly adjusted. Axial movement of the suction nozzle effectively regulates the motive flow rate by restricting the annular gap between the suction nozzle tip and venturi inlet. This assures high liquid velocity which contributes to instant hydration of hard to wet solids as well as maximizing powder flow rate. Optimum setting can be obtained by inserting the suction nozzle all the way in, and then backing out 1/8" to 1/4". User should then experiment to find the optimum setting for given operating conditions. Performance may be sensitive to small changes in nozzle position. After adjusting the nozzle, be sure to lock it in place by re-tightening the set screws.

To start the eductor, open the motive liquid valve first and then only begin feeding solids.

Dose powders at a controlled feed rate below the maximum capacity of the slurry eductor. Do not allow solids to build up in the feed hopper.

When shutting down, allow the eductor to clear/purge all solids before shutting off liquid flow.

Maintenance

Fox slurry eductors have no moving parts and require no maintenance. If disassembled, be careful not to pinch the O-ring that seals the nozzle in the body when reassembling.

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