

JL-II Dilution Nozzle

Custom Fabricated For Your Mill

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One Less Maintenance Headache

The cost of maintaining dilution nozzles is a substantial and ongoing expense that mills have considered an unavoidable reality. A few years ago, one mill decided to take a closer look at the problem to determine if there might be a solution.

The mill recognized that conventional nozzles are high maintenance because of the parts that are internal to the nozzles. These parts wear and fail, requiring rebuilding of the assembly.

The function of these moving parts is to control flow and prevent backflow.

The challenge, then, seemed to be in the design of an effective dilution nozzle that did not include moving parts.

The mill theorized that filtrate flow could be controlled at the pump, and backflow could be controlled by installing a check valve upstream from the nozzle. Testing proved that eliminating the moving parts and controlling flow in this way was effective, and required much less energy.¹

A new generation of dilution nozzle evolved and today, mills all over the country are enjoying the extraordinary benefits of the ORAMAC JL-II Dilution Nozzle.



The ORAMAC JL-II Dilution Nozzle

Oramac JL-II Dilution Nozzle

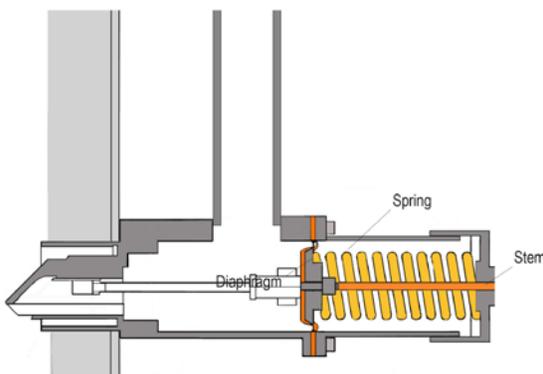
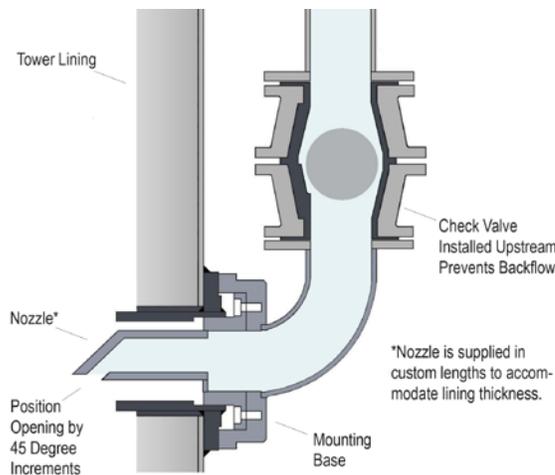
Oramac's Dilution Nozzle has no moving parts.

The absence of moving parts eliminates a large number of maintenance issues.

Only 1/2 PSI is needed to maintain flow through the check valve and the nozzle. Reduced power requirements at the pump result in substantial energy savings.

A check valve is installed upstream to prevent backflow. Multiple options available dependent on space requirements.

Typically less expensive than rebuilding existing nozzle.



Conventional Dilution Nozzle

Conventional nozzles have many moving parts that require replacement on a regular basis.

Annual maintenance in terms of parts and labor is often more costly than replacing with Oramac's JL-II Nozzle.

Approximately 35 PSI is required to keep the nozzle in the open position during operation.

High energy costs associated with the higher pressure requirements.

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