

D4SL Mix Proof Valve – Yoghurt Mix

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Valve:

[D4SL \(Seat Lift\) Double Seat Mix Proof](#)

Industry:

Yoghurt mix

Challenge:

A large yoghurt producer in Greece needed to relocate and change the piping diameter of their existing process of filling yoghurt mix into incubation tanks. This project had to be completed within a strict budget.

Solution:

The D4SL double seat mix proof valve was chosen due to its high performance value and low life cycle costs which were closely aligned with the customer's core project objectives.

The D4SL model meets the basic mix proof needs for separation of process and CIP fluids while also enabling seat lifts to clean both the upper and lower seats. This allowed the customer to reliably and efficiently fill the incubation tanks while cleaning the process line at the same time.

The radial seal design of the D4 Series reduces the loss of valuable yoghurt mix to drain during valve opening/closing which saves costs and provides a cleaner operating environment. Reduced CIP losses to drain, low actuator air consumption (5 bar/72 psi), and no compressed air supply required for valve removal and maintenance will help to further generate utility cost savings for the customer in the years ahead.

The open yoke on the D4 Series also provides a clear visual leak detection of damaged upper shaft seals to help with troubleshooting and preventative maintenance.

The valves were equipped with [CU4 24V Direct Connect control units](#) to enable automated control of the valves. This was crucial as the valves were installed above the incubation tanks and required remote monitoring.

To learn more about SPX FLOW's innovative D4 valves, visit our [website](#) or view the [valve animation](#).

