

D4PMO Mix Proof Valve – HP Hood Dairy

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Date: April 2020
Bulletin No: VA-1-20

Waukesha
Cherry-Burrell®

Valve:

[D4PMO Double Seat Mix Proof Valve](#)

Industry:

Yogurt and sour cream



Challenge:

[HP Hood](#), an American dairy company known for its slogan “Always Good Always Hood” was looking to modernize their upstate New York plant with automated mix proof valve technology. The objectives of the project included minimizing operator intervention and risk of contamination while increasing operational efficiency and productivity.



Solution:

HP Hood teamed up with SPX FLOW's authorized distributor [UDMC](#) to create a highly automated solution using state-of-the-art mix proof valve and control unit technology. SPX FLOW's Waukesha Cherry-Burrell D4PMO valves were chosen for their innovative design and compliance with the latest [3-A Sanitary Standard 85-02](#) for Pasteurized Milk Ordinance (PMO) in Grade-A U.S. dairies. The user-friendly valves, manufactured in [Delavan, WI USA](#) and supported locally by UDMC eased HP Hood's leap into upgrading their process technology.

A total of (27) x D4PMO valves were installed allowing HP Hood to continuously run production while simultaneously cleaning-in-place the opposite pipelines without fear of cross contamination. This has greatly increased the plant's uptime and enhanced its flexibility in alternating between cleaning and production schedules on their tanks. The valves have operated reliably with minimal operator involvement.

[CU4plus control units](#) were used to automate the valves operation from a centralized control room with position feedback sensors and solenoids being connected into control interlocks ensuring a fail-safe process. Setup was extremely quick and straight-forward using a single-button auto “Teach-in” function. The CU4plus provides clear and bright LED indication of the valve positions making it intuitive for personnel to understand the valve operations.



An added benefit to the new system is the improved safety and employee morale in this upgraded plant area. The entire room was reorganized as dozens of feet of piping and hoses were removed and replaced with compact valve manifolds taking up minimal floor space. The modern layout with automated process control and new equipment makes the area one of the most enjoyable and sought-after plant cells to work in.

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