



ALCOHOL AUTO-CUT AND BLENDING SYSTEMS

CLIENT	INDUSTRY	CATEGORY	DURATION / LOCATION
National 'White Label' Beverage Company	Food & Beverage	Pre-Mixed Alcoholic Beverages	3 Months Onsite Calgary, AB

To meet the demand for alcoholic seltzers and similar products, **Canada's largest beverage company contracted Jadler's team of sanitary equipment specialists** to install two key systems to optimize the production of RTD beverages: an alcohol auto-cut system and product blending system.

SERVICES PROVIDED BY JADLER:



Sanitary Tig Welding & Fabrication

Installation of all sanitary production and CIP tubing. Fabrication of stainless frame, catwalks, pipe and tube hangers.



Installation

Storage tank, valve automation, hangers, tubing runs, blending skid.



Instrumentation

Supply and integration of over 100 instrumentation components, including automated valve control.



Equipment Supply / Removal

Sourcing and supply of specified sanitary equipment & components.



General Contracting

Manage several trade contractors including high-pressure piping specialists, rigging outfitters, electricians, and engineering.

SCOPE OF WORK: BUILD INFRASTRUCTURE FOR HIGH-PROOF ALCOHOL STORAGE AND BLENDING FACILITY

As production volume increased, our client wanted to lower costs by auto-blending high-proof alcohol. Regulations dictate that storage of >19.5% alcohol, must be outdoors. Working alongside third-party and internal engineering teams, Jadler acted as the general contractor for the construction and installation of:

- An outdoor Class1, Division 1 receiving tank and piping (rated for flammable/ explosive liquids)
- A blender to precisely dilute the alcohol to 19.5% with distilled water (RO)
- Inside storage tanks for the blended alcohol
- All product piping (alcohol, syrups, nitrogen, CO₂, air) and hangers
- All required valves (proof, butterfly, check), flow meters, level switches, levels transmitters, pressure gauges and transmitters, inline mixers, tube and fittings and hoses
- Tie-in to CIP supply and return
- Fabrication of stainless frames and catwalks



WHY JADLER?

Jadler has been serving the food and beverage industry for over 40 years, honing our experience and expertise with each new and challenging application. We'd already been working with this client on several instrumentation and sanitary process projects. They were confident in ability to ensure sound project oversight and execution. Based on our relationship, the client was confident we had the skill, background and resources to handle the project. We won the contract due to several factors:

- Our qualifications and grasp of their project vision
- A permanent team of 8-10 TIG welders on staff (no need to subcontract)
 - » Two welders were dedicated to the project for the duration
 - » Four more were committed at key project stages
- Familiarity and experience with the client's products, processes and operations
- Our role as a leading distributor of leading sanitary product lines
- In-depth knowledge of sanitary equipment, instrumentation and components
- Readily available products through our extensive inventory supply
- Jadler's ability to procure additional products in the specification
- Our breadth of services: from one-day maintenance to large-scale construction projects over several months

We had a few other advantages going for us, including the fact we were **Alberta-based**, which simplified things immensely. Our ability to wear multiple hats as a **product distributor, installer, fabricator, authorized service and repair centre**, and **general contractor** allowed us to bring greater value to the project. Finally, Jadler's extensive knowledge of sanitary processing and our reputation for high-quality work contributed to the success of this project.

FULL-SERVICE PROCESS MECHANICAL CONTRACTING

As the designated Process Mechanical Contractor for the project, we subcontracted the nitrogen piping and mechanical air piping work, oversaw the electricians, brought in a rigging specialist and hired a structural engineer to design the hanger supports. It proved to be the perfect mix of skills and expertise.

PROJECT CHALLENGES

Adaptability and problem-solving are among our greatest strengths. Our team's ability to pivot and put in extra hours as needed allowed us to complete all work on schedule.

Tight Timelines

Production demanded rapid completion with a short shutdown.

Expanding Scope

Jadler and our client had to adapt to meet unanticipated scope changes.

Procurement Delays

Key components arrived late, compressing the installation schedule.

Extreme Temperature

Our team proved their mettle, connecting receiving tanks in -30°C weather!

PROJECT OUTCOME

Both projects were completed on schedule, allowing our client to ramp up production ahead of the busy summer season. The system is working as designed and has dramatically improved plant efficiency and profitability.

The client was extremely impressed with the knowledge, dedication, hard work and professionalism the Jadler team brought to the project. They appreciated our commitment to always go the extra mile and our ability to find practical solutions – no matter the challenge – and continue to work with us as a trusted partner and supplier.



PRODUCT BRANDS USED ON THIS PROJECT INCLUDE:

SPXFLOW
Waukesha Cherry-Burrell


SPXFLOW
APV

GEA
GEA Tuchenhagen

Fristam
PUMPS

Endress+Hauser 

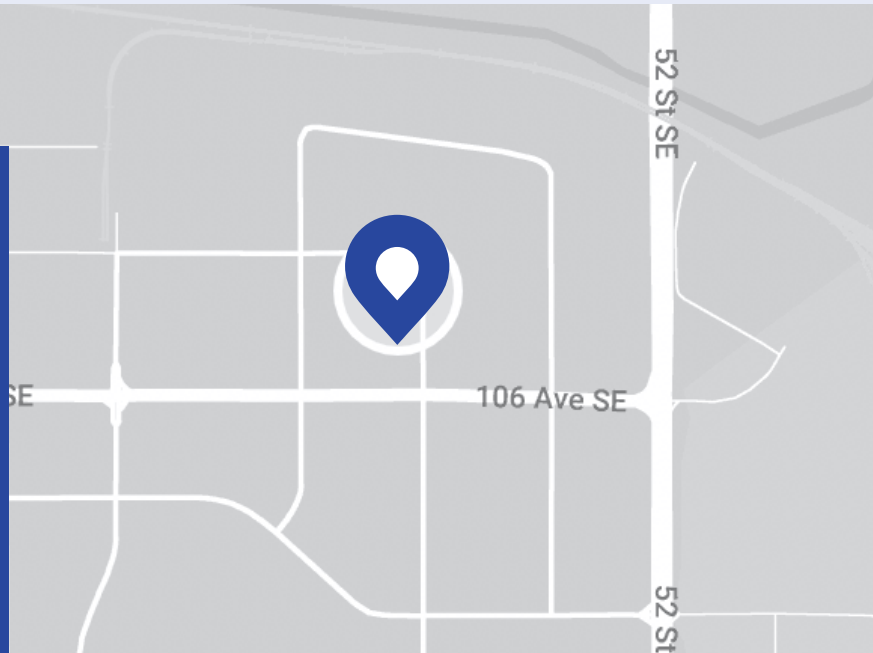
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 JADLER.CA



PROBLEM SOLVING IS BUILT INTO OUR PROCESS

Jadler provides the fit-for-purpose products, installation, support, repair and fabrication services you need to keep your liquid management processes – and profits – flowing. Our understanding of processes, our people and our extensive at-the-ready inventory set Jadler apart.

**Custom Design & Installation | Sanitary TIG Welding |
Equipment Testing and Repairs | Remote Monitoring**