



AMMONIA

PUMP RECIRCULATOR PACKAGES

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FOR INDUSTRIAL
APPLICATIONS



Ammonia Pump Recirculator Packages

50 to 5000 Ton Models

BITZER is expanding its industrial refrigeration product and services offering with new intelligent, simply Installed & integrated, Ammonia Pump Recirculator Packages.

BITZER recognizes today's food & beverage and cold storage facilities requirements for more intelligently controlled, energy efficient, simply maintained, and easily integrated products. These Recirculator Packages give owners and operators full visibility and reliable control over their facility's critical refrigeration systems. Equipment operating independently, unable to share valuable operation data and to integrate within a facility's existing control systems are no longer an option...

Intelligent Controls Features

VFD Auto-Bypass

→ *Reliable Operation*

Dual Pump Protection Strategies & Bearing Monitoring

→ *Avoid Pump Failures + Increased Reliability*

Remote Supply Pressure Operation

→ *System Pressure Stability & Energy Savings*

Integrated Data History, Alarms & Trending

→ *Easy Troubleshooting & Optimization*

→ *Optimized Preventative Maintenance*

Plug & Play Integration

Combines Power & Controls

Single 460V Power Feed Required

Integrated Pump VFDs & Controls

Non-Proprietary, Industry Standard Controls Hardware

Allen-Bradley PLC, Display, & VFDs

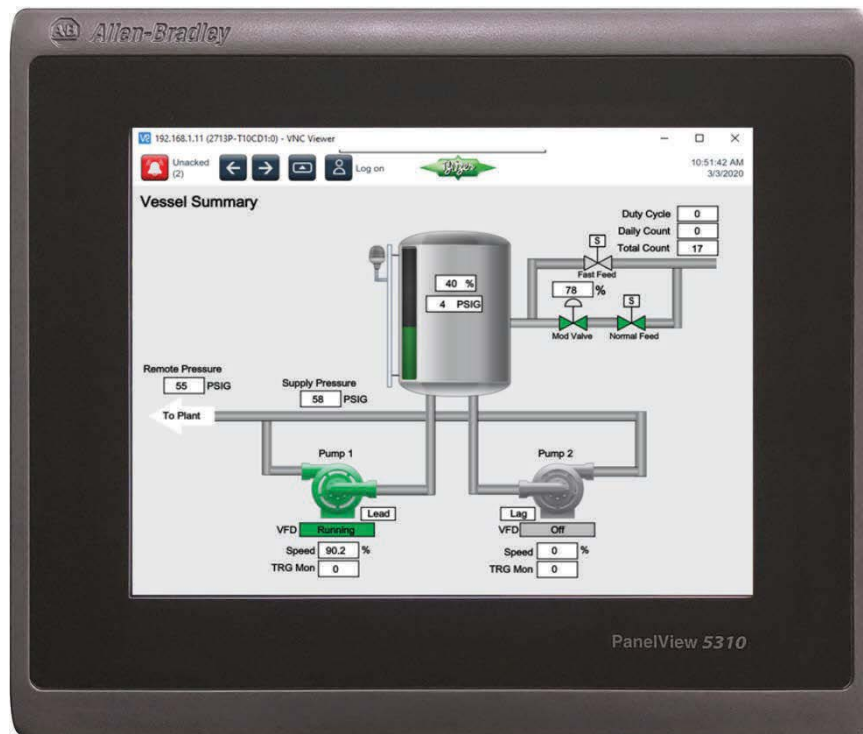
No Proprietary Control Components

Expandable, Adaptable to Changing Demands



Allen-Bradley

Intelligent Controls



Intelligent Controls Features

- Intuitive, Color Touchscreen
- Valve & Pump Operation Trending
- Pressure & Liquid Level Trending
- Normal fill vs. Fast-fill Solenoid Control
- High- & Low-Level Alarms
- Dual Pump Protection Strategies
- Pump Bearing Health Tracking
- Remote Pressure Control Option
- Pump Speed Control & Scheduling
- Security Role Settings

Additional Features & Options

Factory Piped & Pressure Tested
 Vertical & Horizontal Configurations
 Size Range: 24 to 96 in. OD x 20 ft.
 Teikoku pumps (2 to 4)
 Oil Pot: 400 psig rated
 -50F to +40F Operating Range
 Factory Installed Insulation
 NEMA 3R Rated Control Box

ASME, Section VIII, Div. 1 Vessel,
 1/16 in. Corrosion Allowance
 250 or 300 psig rating
 CRN
 X-Ray and PWHT
 Liquid Makeup Assembly / Valve
 Station
 Paint: Primer + Semi-Gloss Finish

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