

Feldmeier UHT System - 20GPM

Mfg: Feldmeier

Model:

Stock No: LKBA200

Serial No: S145106

Feldmeier UHT System rated for 20 GPM maximum (1200 GPH). Product Specs: skim milk (48% cream) / 1.5 in. tri-clamp / 40°F. Product fermentation temp: 75°F. Flowrate (Low/High): 7 / 20 GPM.

Skid built by Feldmeier Equipment, Inc. Syracuse, NY USA. Serial number: S145106.

The system is designed for three functions: preheat 160°F / return to batch tank, UHT processing of fermentation media as it is fed to fermentation tank, deactivate fermentation using standard HTST process condition (non-legal pasteurization step). The hold tube is set to run at 4 and 18 seconds at both flow rates.

System is of sanitary design and made for ease of cleaning. General specifications: 304SS balance tank, 316SS stuffing pump, 316SS tubular pre-heater, 316SS timing pump, hot water set (saturated steam at 80 PSI), 316SS heating section (160°F to 285°F), insulated 316SS holding tubes, 316SS cooling section (285°F to 75°F / 185°F to 40°F), 316SS sterile water chiller, 316SS sanitary valves, media valves, Allen Bradley PLC controls.

Air requirement: 80 PSI max. Electrical requirement: 460V, 60 Hz, 3-phase.

Other features: (5) centrifugal pumps, (1) positive displacement pump, ITT tubular heat exchanger, holding tubes, stainless steel cabinets, Allen Bradley control panel, etc.

Fristam Sanitary Centrifugal Pump model FPR3522-125, S/N: FPR35220702379, made in USA. Reliance duty master motor, frame 215TC, 7.5 HP, 3510 RPM, 230/460V, 17.8/9.8 amps, 60 Hz, 3-phase, TEFC.

Fristam Sanitary Centrifugal Pump model FPR3522-115, S/N: FPR35220702380, made in USA. Reliance duty master motor, frame 184TC, 5 HP, 3505 RPM, 230/460V, 12.0/6.0 amps, 60 Hz, 3-phase, TEFC.

Fristam Sanitary Centrifugal Pump model FPR742-170, S/N: FPR7420702260, made in USA. Reliance duty master motor, frame 215TC, 7.5 HP, 3510 RPM, 230/460V, 17.8/9.8 amps, 60 Hz, 3-phase, TEFC.

Fristam Sanitary Centrifugal Pump model FPR722-130, S/N: FPR7220702261, made in USA. Reliance duty master motor, frame 184TC, 5 HP, 3505 RPM, 230/460V, 12.0/6.0 amps, 60 Hz, 3-phase, TEFC.

Fristam Sanitary Centrifugal Pump model FPR742-170, S/N: FPR7420702259, made in USA. Reliance duty master motor, frame 215TC, 7.5 HP, 3510 RPM, 230/460V, 17.8/9.8 amps, 60 Hz, 3-phase, TEFC.

Fristam Positive Displacement Pump model FKL-75, S/N: FKL750702262, max speed 600, max pressure 300, A3, water flush mechanical seal. Reliance duty master motor, frame 215TC, 10 HP, 1755 RPM, 230/460V, 25.4/12.7 amps, 60 Hz, 3-phase, TEFC. Gear drive R57AM215, 850242407.07.07.001, torque 1540, ratio 4.393.

Control Panel: VersaView 1700P. Allen-Bradley CAT 6181P-17TSXPH, rated for NEMA Type 4, 12 and IP66, 100-240 VAC, 1.5-063A, 50/60 Hz, 150 VA, UL/CE listed, Made in Taiwan. Quantum Design PLC Enclosure, QDI 5121-1, PO 2091 / 20091. Allen-Bradley PowerFlex 70 Controllers. Also features Anderson and SOLA components.

ITT Heat Exchanger, S/N: 984024-02, Nat'l Bd. 156512. Shell MAWP 150 PSI at 375°F, MDMT -20°F at 150 PSI. Tubes MAWP 150 PSI at 375°F, MDMT -20°F at 150 PSI. Year: 2007. Part no: Y526010072002.

W.M. Sprinkman Sani-Flow Digital Thermometer, A3, -58°F to 302°F.

Rosemount Temperature Assembly, NEMA Type 4X, model 644, FM-approved, CE. Explosion proof for Class 1, Division 1, GR. B, C D.

Zander Aufbereitungstechnik GmbH & Co. KG. / Ultrapar Inc. Filter

Definox valve, normally open, 597100042.

Micro Motion Transmitter model 1700I12ABMEZZX ET010417, S/N: 3084274, sensor S/N: 14034080, 2007, CE, P/N 3600751 Rev C.

Micro Motion H-Series mass flow sensor model H100S138NCANEZZZ, S/N: 14034080, 2007.

























