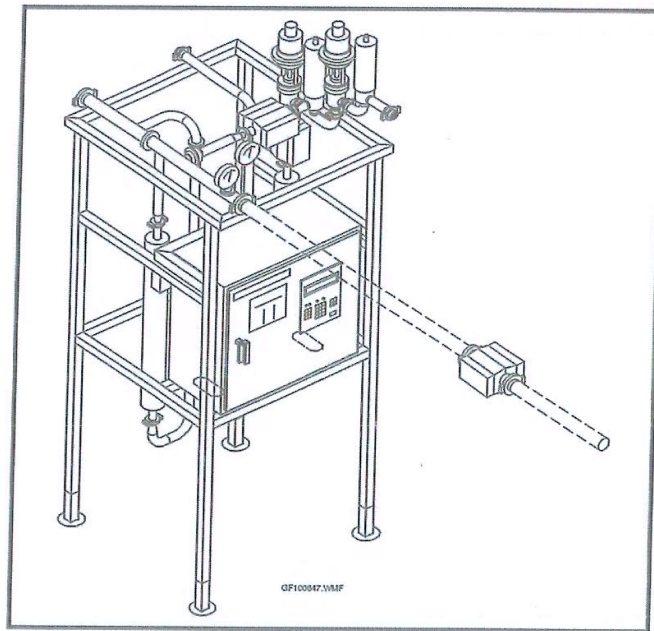


Tetra Alfast[®] 200

Type 210 & 220



Technical data

Manufacturer	Tetra Pak Processing Systems AB Ruben Rausing's gata 22184 LUND Sweden
Equipment	Tetra Alfast™
Capacity	5000 - 75000 l/h, (related to separation capacity and fat content in the whole milk and standardised product.)

Application

- Skimming of milk and standardisation of cream from fresh whole milk
- Standardisation from fresh whole milk to both cream and milk

Basic unit

Standard equipment

Control panel (protection class IP55) with computer, operator module and automatic and manual controls.

Stainless steel frame with:

- Density transmitter
- Modulating valve
- Flow transmitters
- Shut-off valve for remix cream
- Hygienic sampling valve, pressure gauges, thermometer, non-return valve, and other fittings.

Material

All parts in contact with the product (piping, valves, fittings), frame, control casing, etc. are of stainless steel.

Shipping data

Weight

Net weight:	200 kg (approx.)
Gross weight:	430 kg (approx.)

Volume: 3.3 m³ (approx.)

Dimensions

Frame:

- width 1000 mm
- depth 900 mm
- height 2100 mm, (adjustable to 2230 mm)

Frame with components:

- total height 2640 mm, (adjustable to 2770 mm)

Control panel:

- width 725 mm
- depth 400 mm
- height 800 mm

Data

Environmental specification for control panel

- Temperature: +5 - +45 °C
- Relative humidity: 15 - 95%
- Vibration: 0.15 - 0.70 mm, 2 - 10 g

Compressed air (Instrument air)

Pressure: 600 kPa
Consumption: max. 200 Nl/min.

For quality requirements, see **Service media**

Electricity

Voltage: 110, 127, 220, 240 VAC
Variation: ± 10 V
Frequency: 50 or 60 Hz
Variation: $\pm 5\%$
Total consumption: max. 0.5 kW
Main fuse: 6 A

Generated noise

Less than 75 dB(A).

Communication interfaces

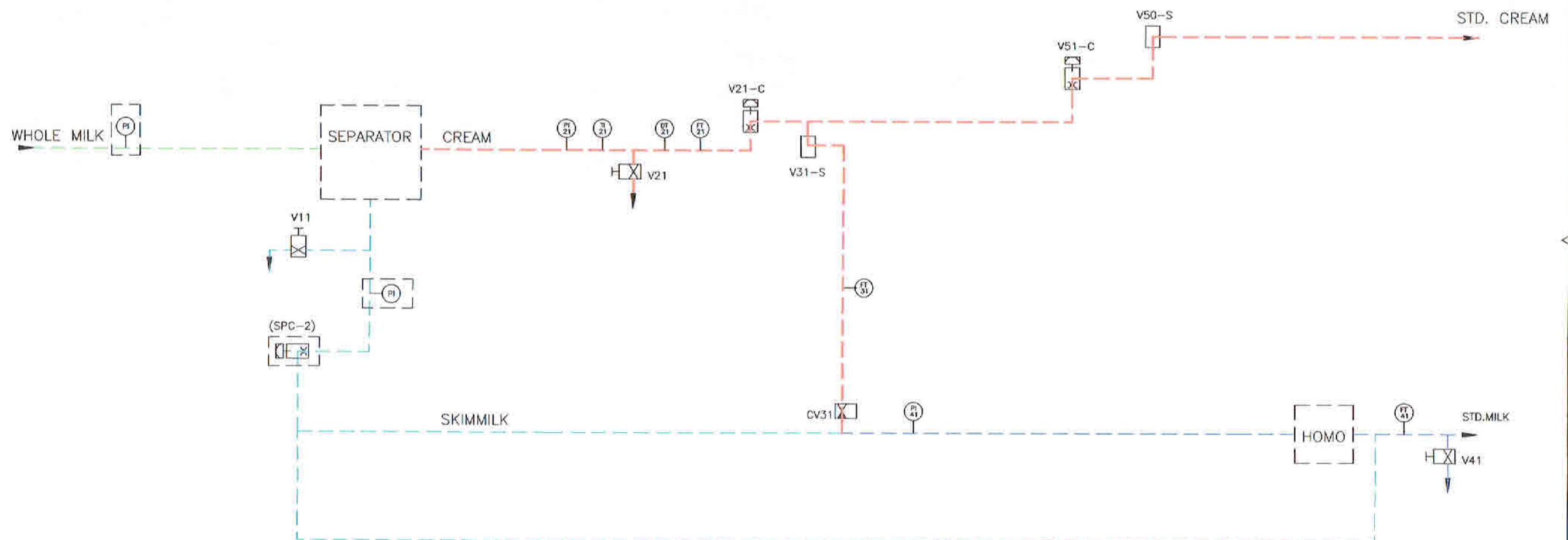
Serial interface for communication with master computer via:

- current loop 20 mA or
- RS 232 or
- RS485

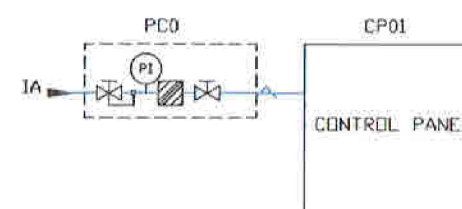
Communication protocols

- Comli
- Data highway
- Modbus RTU
- Modbus ASCII
- Siemens 3964
- Siemens 3964 R
- ADS

Rev	Description	Designer	Appr. By	Date



NOT INCLUDED IN TETRA ALFAST DELIVERY



Tetra Alfast type 210 Partial homogenising Flow Diagram

Machine No	Designer BS	Appr. By HEJ	Date 020801	File Name 2182120
Company Tetra Pak Dairy & Beverage Syst AB	Format A2	Template		
		Scale 1:1	Document no 30218-21020	Revision