

RO batch plant for concentration of skimmilk 40,000 kg/day to 22% total solids. Pre-treatment acc. to Order confirmation 501044. RO plant operating temperature 5-8°C. Capacity is batch capacity over 8-10 hours.

FEED:

Fresh skimmed milk of good quality pH 6.4-6.7). 40,000 kg/8-10h at 5°C and 9% total solids. Inlet: 15,225 kg/h at 3 bar G CIP of line min. 10 m3/h

PERMEATE:

23,703 kg/8-10h Outlet: 60-5,070 kg/h CIP of line min. 10 m3/h

RETENTATE:

16,297 kg/8-10h at 8°C Outlet: 10,152-15,162 kg/h CIP of line min. 10 m3/h

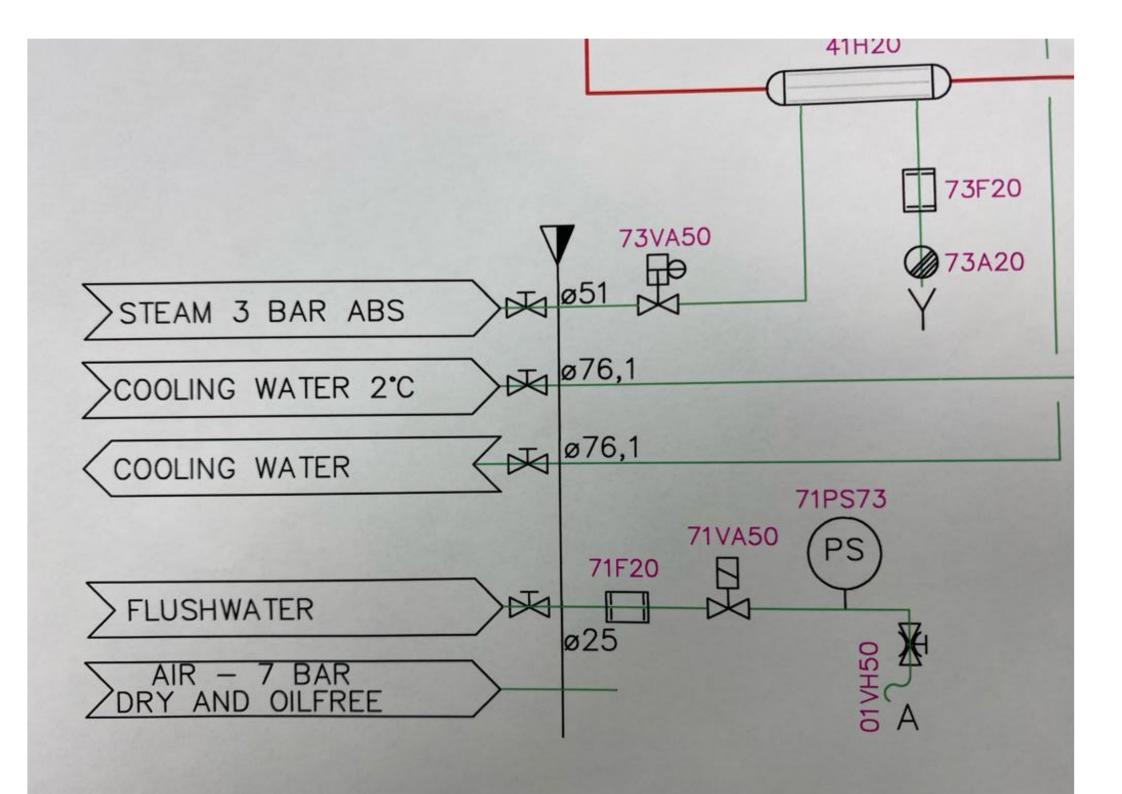
STEAM:

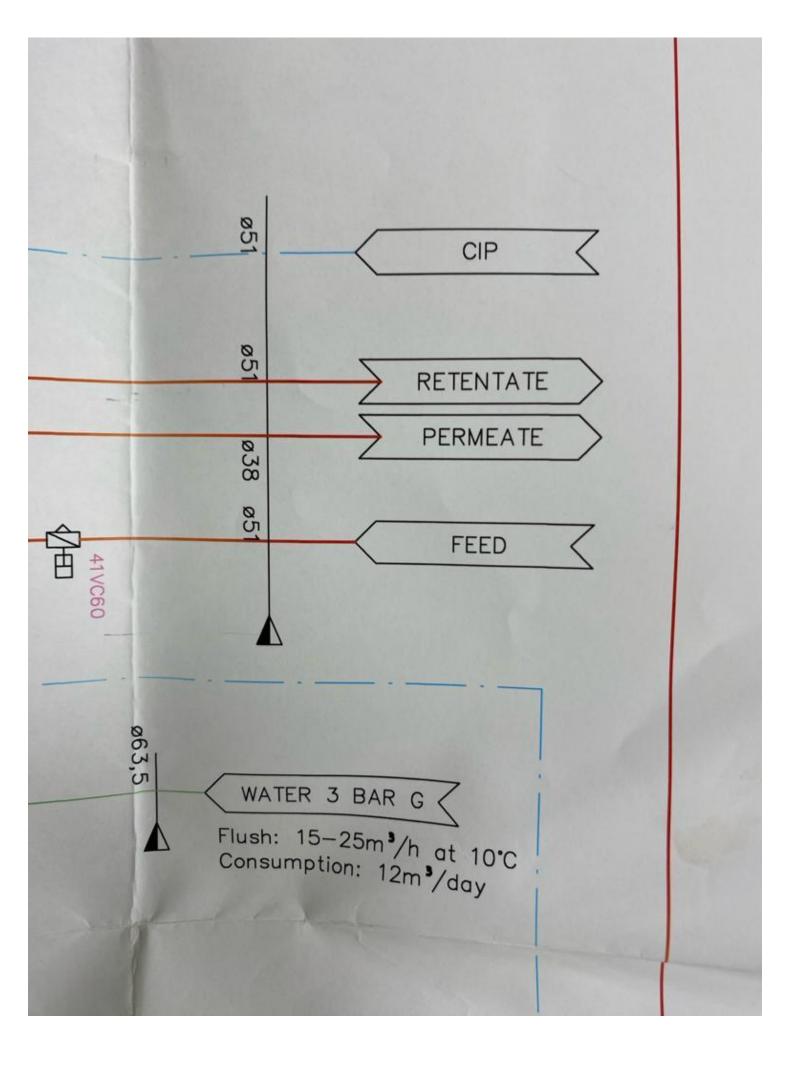
3 bar ABS/133°C - 415 kg/h 250 kW - 125 kWh/day

COOLING:

Icewater 27.5 m3/h at 2°C

CUSTON

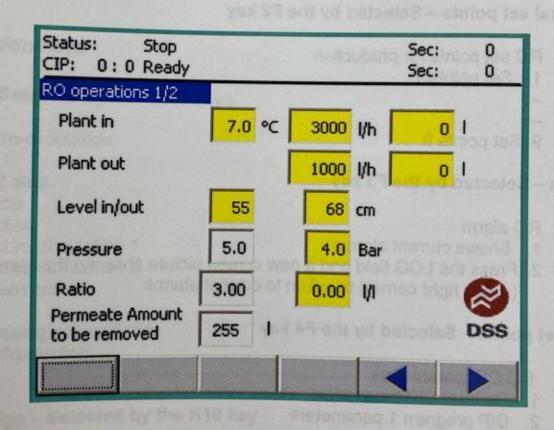




Use of the keyboard

The keyboard layout reflects the daily operating sequences. Operating fields, placed at the pottom of the screen, are soft keys operated by touching the screen. The function of these depends on the selected picture. The 2 arrows pointing left and right (on the picture below used to change screen pictures within a group. All other keys have fixed functions.

The input fields all have a white background (see the example below) and are selected by ouching the screen.



epending on the input field type, data can be entered in different ways. First touch the fie e screen, then:

By keying in a value and pressing enter at the input pop-up

By keying in a value of the server by selecting data from a drop down list and pressing enter at the input pop-up

By toggling directly at the input field at the screen

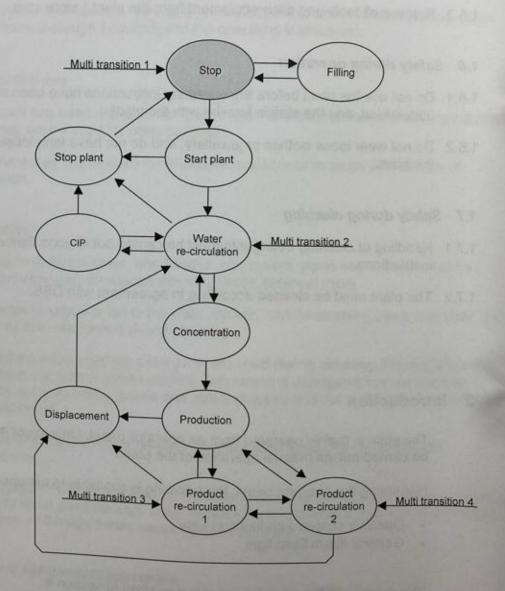


PALE FARM KENDAL
RO SW PLANT – 501044
OPERATOR MANUAL

3 General information

3.1 States of the plant

The plant will usually be in a stationary state. If it is not in a stationary state it is changing from one state to another. The following describes the plant's different states:





MEMBRANE FILTRATION FOR THE DAIRY INDUSTRY

Declaration of Conformity for Machinery

Machinery Directive 2006/42/EC, Annex II A

Manufacturer: DSS SILKEBORG AS

BERGSØESVEJ 17 DK-8600 SILKEBORG

DENMARK

Hereby declares that:

Product: Type: RO Batch Plant

No: 501044 Year: 2011

- is in conformity with the following directives:

2006/42/EC (Machinery directive) 2006/95/EC (Low voltage directive) 2004/108/EC (EMC Directive)

- and that the below (parts/clauses of) harmonized standards have been applied:

EN ISO 12100-1 (Safety of machinery) EN ISO 12100-2 (Safety of machinery)

EN 1672-2, Food Processing Machinery, Part 2: Hygiene demands

EN 60204-1 Electrical equipment of machines - Part 1: General requirements

Technical dossier drawn up by:

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