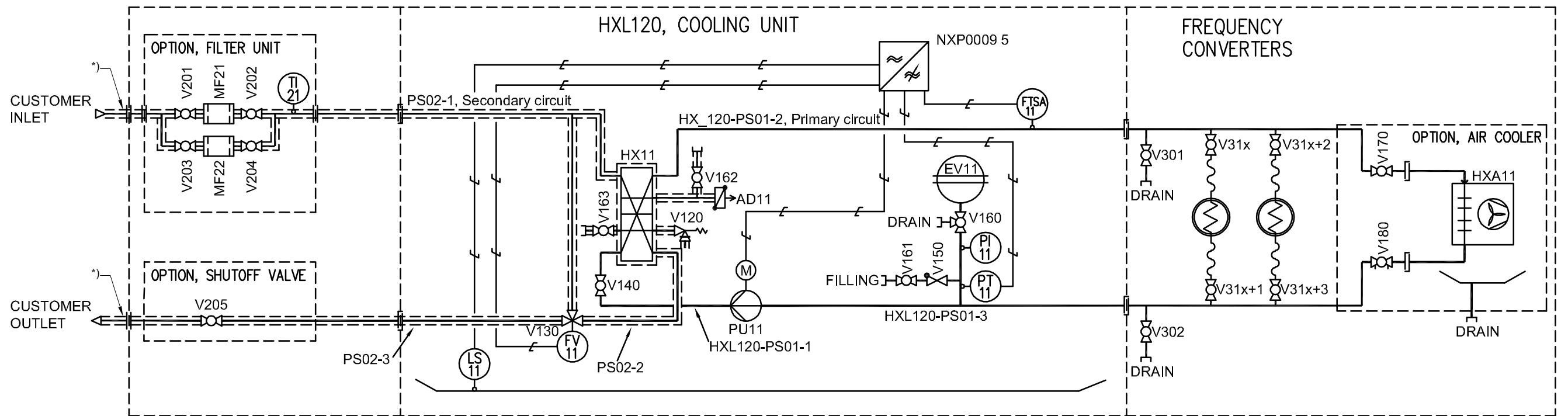


\*) To be cold insulated, e.g. with polyethylene, if the temperature of the liquid in the secondary circuit is lower than the ambient temperature and the relative humidity is high.

\*\*) Alternative pump:  
Pump KL, 6.4A, 3x400V, 50Hz, JP151, 3kW, PN10, motor turned 180°, Kolmeks, KL401602300

Pipe name	PN10	PN16
PS02-1	HX_120-PS02-1	HX_120-PS04-2
PS02-2	HX_120-PS02-2	HX_120-PS04-3
PS02-3	HX_120-PS02-3	HX_120-PS04-4

Code	Pcs.	Material	Note.	Name	Nominal pressure
PU11 **)	1	AISI304 / 316	Vacon delivery	Pump Ebara EB 3M 40-160/3, 3x400V /50 Hz, 3kW	PN10
HX11	1	AISI316 / Cu-brazed	Vacon delivery	Plate heatexchanger 2" / 1 1/2"	PN25
HXA11	1	Cu / Al	Vacon delivery (option)	Water/Air heatexchanger 3/4"	-
EV11	1	AISI304 / Butyl	Vacon delivery	Pressure vessel 3/4", pre-pressured to 100kPa, cap.8 litre Connection stainless steel, inside vessel epoxy coating, butyl diaphragm	PN10
MF21..22	2	-	Vacon delivery (option)	Y-Strainer	-
AD11	1	AISI304 / 316	Vacon delivery	Automatic de-airing unit 3/8"	PN16
FTSA11	1	AISI304 / 316	Vacon delivery	Flowswitch 1/2", with analog temperature outlet	PN60
PI11	1	AISI304 / 316	Vacon delivery	Pressure indicator 1/4", 0-10 bar	PN20
PT11	1	AISI304 / 316	Vacon delivery	Pressure transmitter 1/4", 0-10 bar	PN20
TI21	1	-	Vacon delivery (option)	Temperature indicator 1/2", 0-60°C	-
LS11	1	-	Vacon delivery	Leakage switch 24V AC/DC, 70mA	-
V120	1	AISI304 / 316	Vacon delivery	Safety valve 1/2", reliefpressure 6bar Body bronze, nozzle and disc stainless steel	PN25
V130	1	EN-JS1030, CW602N	Vacon delivery	Regulating valve DN32 + actuator (FV11)	PN16
V140	1	AISI304 / 316	Vacon delivery	Ballvalve DN40 Body CF8M, end connections and ball AISI316	PN64
V150	1	AISI304 / 316	Vacon delivery	Non-return valve 1/2"	PN40
V160	1	AISI304 / 316	Vacon delivery	Ballvalve 3-way 3/4", threaded	PN64
V161..63	3	AISI304 / 316	Vacon delivery	Ballvalve 1/2", threaded	PN64
V170	1	AISI304 / 316	Vacon delivery (option)	Ballvalve 1/2"	-
V180	1	Brass	Vacon delivery (option)	Balancing valve 1/2"	-
V201..05	5	-	Vacon delivery (option)	Ballvalve	-
V301..02	2	AISI304 / 316	Projects specific delivery	Ballvalve 1/2", threaded	-
V31x..	-	AISI304 / 316	Projects specific delivery	Ballvalve 1/2", threaded	-
NXP0009 5	1	-	Vacon delivery	Frequency converter, NXP 0009 5A5H1 SSS A1A2B500C5	-



REV.	DATE	MADE	APPR	DESCRIPTION
a	04.12.2008	A-M. Haka	U. Kähtävä	Pump changed

Prepared	A-M. Haka 30.08.2007	DCC	&	Object	=
Checked	U. Kähtävä 30.08.2007	Based on	VL39-5023-05, VL39-5023-15	Loc.	+
Approved	J-P. Sampola 30.08.2007	Proj. no	Doc. no.	Revision	Sheet
		-	VL39-5020-10	a	1/1
					Cont.



Project **STD HX-unit**  
Customer -  
Doc. no.  
Cust. ref.

Title  
**HXL120**  
AISI304 Piping  
P&ID

Vacon Oyj