



NOVIMPIANTI

DRYING TECHNOLOGY

YANKEE SUCTION HOOD

SUCTION HOOD SYSTEM - DESCRIPTION

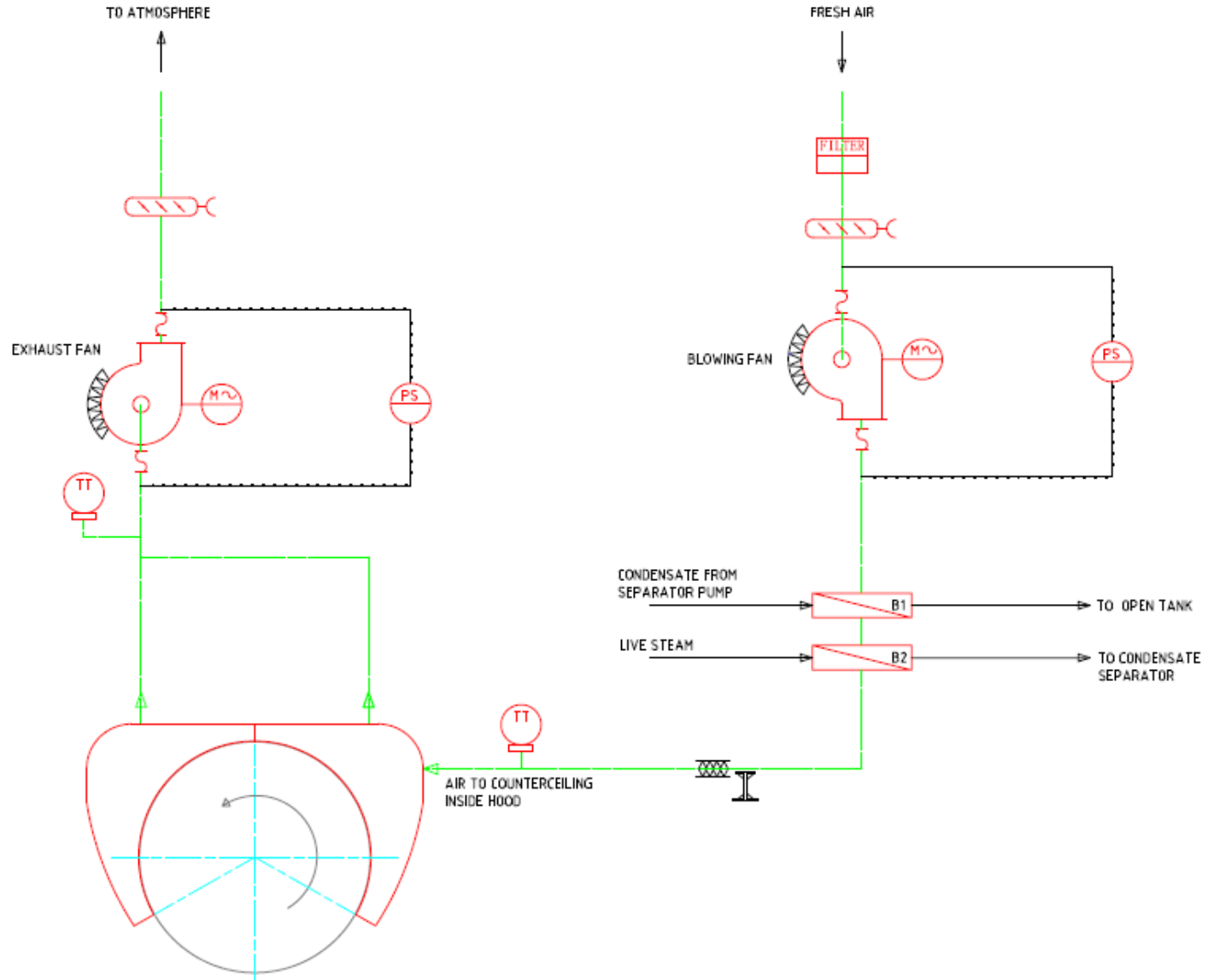
The suction hood proposed by Novimpianti is completely stainless steel made (AISI304) and provided with a special designed counterceiling, where heated air is blown inside in order to avoid any condensation that could afflict the paper.

The exhaust air flow from the hood is controlled by exhaust fan variable speed or in alternative by an adjusting damper.

Air system mainly consists in:

- 1 exhaust fan
- 1 blowing fan
- 1 condensate coil to heat hood inlet air (B1)
- 1 live steam coil to heat hood inlet air (B2)
- 1 exhaust and 1 inlet air damper (only in case of fixed speed fans)
- 1 filter at fresh air inlet

FLWSHEET



AIR HEATING

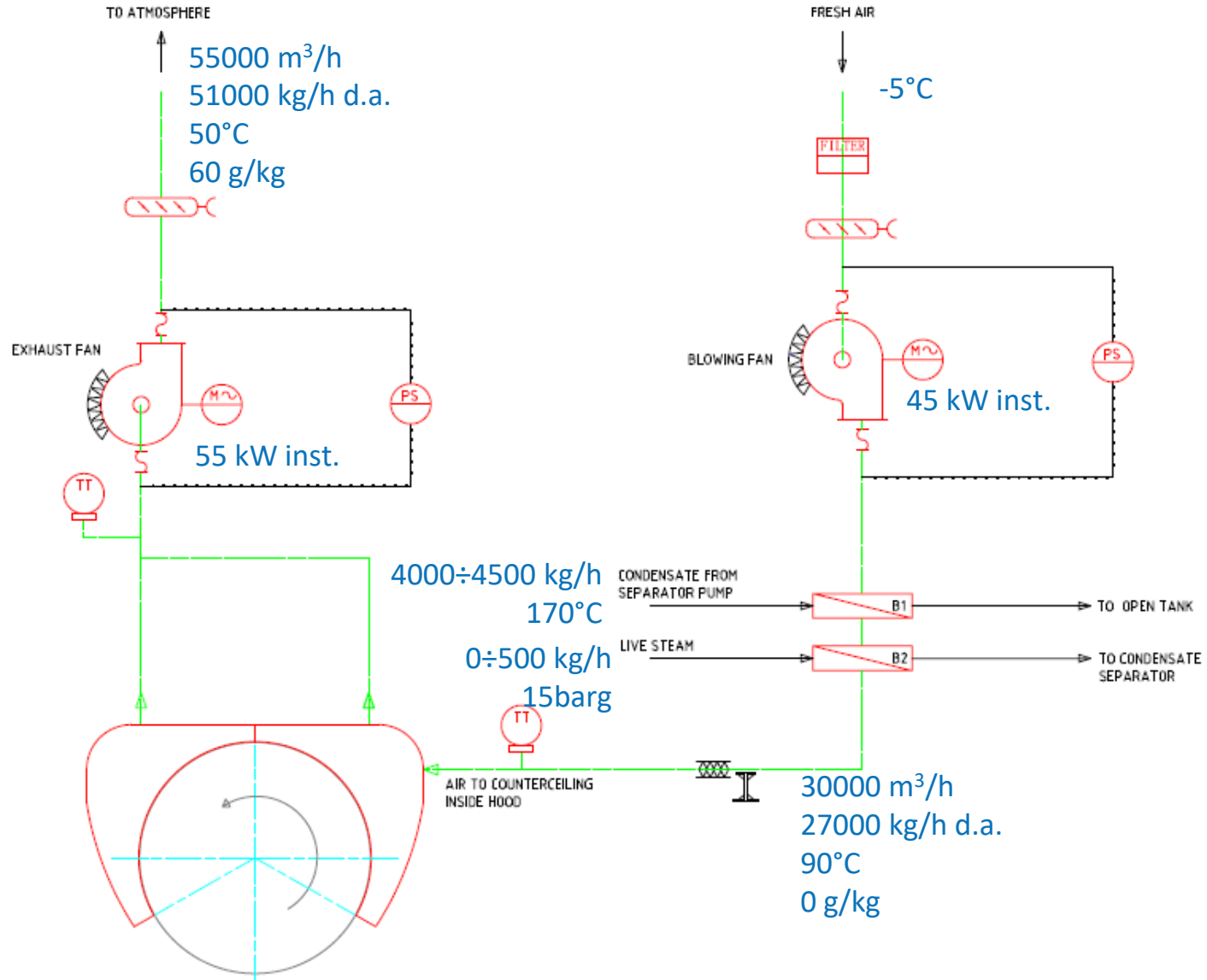
The preheating of fresh air blowing into the false ceiling in the hood is made by:

- 1 condensate/air heat exchanger
- 1 live steam/air heat exchanger,

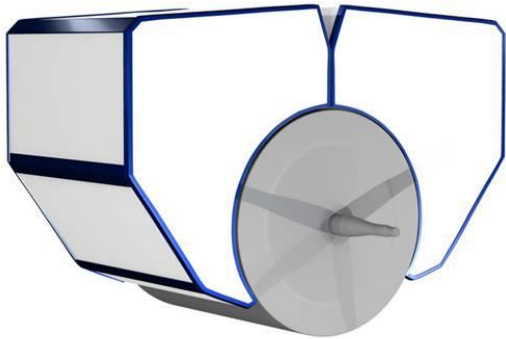
Both of them being manufactured with finned pipes AISI304 made



PROJECT DATA



EXHAUST & STEAM HEATED HOODS – REFERENCE LIST



YEAR OF DELIVERY	PAPER MILL	Width [mm]	Speed [m/min]
2006	Val di Lima (Italy)	2700	700
2008	Suparma (Indonesia)	2700	1000
2010	C&S (China)	3450	1300
2011	C&S (China)	3450	1300
2012	C&S (China)	3450	1300
2014	Wang Paper (Thailand)	2800	1500
2016	Confidential (South Africa)	2800	1600

REFERENCE CASE - SUCTION HOOD FOR C&S



Tissue machine data

Production	70 T/Day
Basis weight	15 gsm
Sheet width	3,45 m
Op. speed	1230 m/1'
Yankee diameter	4,876 m
Op. steam pressure	8,5 bar

New suction hood by Novimpianti

Start up	2011
Yankee hood wrap	240 degrees
Hood exhaust air flow	60000 m ³ /h
Presence of dripping	None

REFERENCE CASE - SUCTION HOOD FOR C&S



REFERENCE CASE - SUCTION HOOD FOR C&S





Stock Preparation	A	M	S	↓	Water System	S	↓	Machine	A	M	↓	Broke Pulper	↓
Vacuum	W	↓	Hoods	↓	Steam	S	↓	Chemicals	W	↓			
All Plant	↓	Diagnostic	↓	Pope	A	↓	Emergency PB	↓					
Machine Approach	↓	Pressure Switches	↓										



supervisor

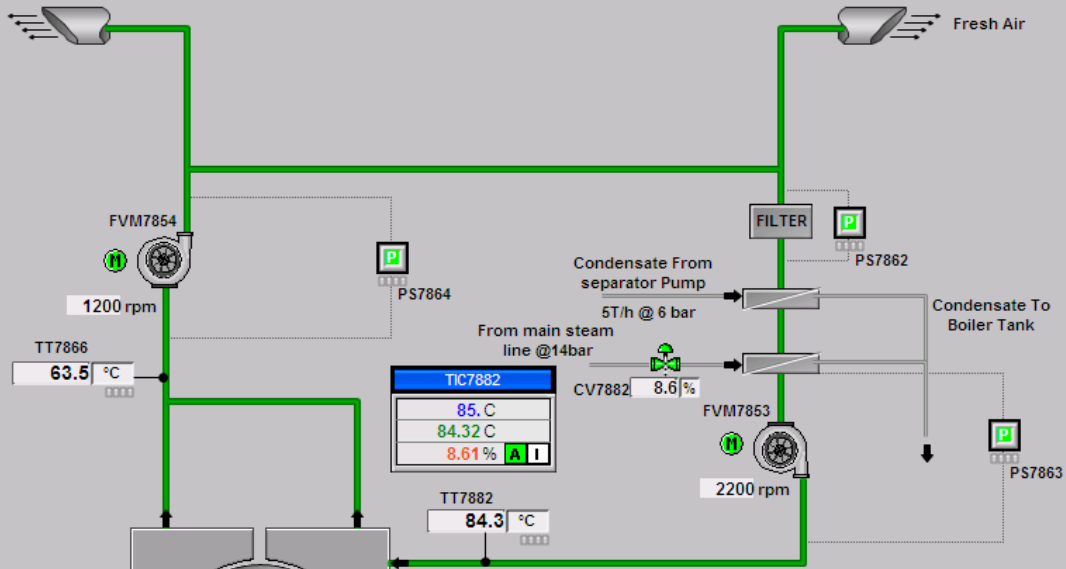
HOODS

HOODS
PARAMETERS

FVM7854

Act.Spd **1200 Rpm**

Act.Trq **79 %**



FVM7853

Act.Spd **2200 Rpm**

Act.Trq **93 %**

Man Auto

MAN

AUT

HOODS/HOODS Seq

Sequence State

Sequence...

RUN

Hoods Status

STOP

START

Seq.Reset

Alarms Reset

CAUSE OF STOP

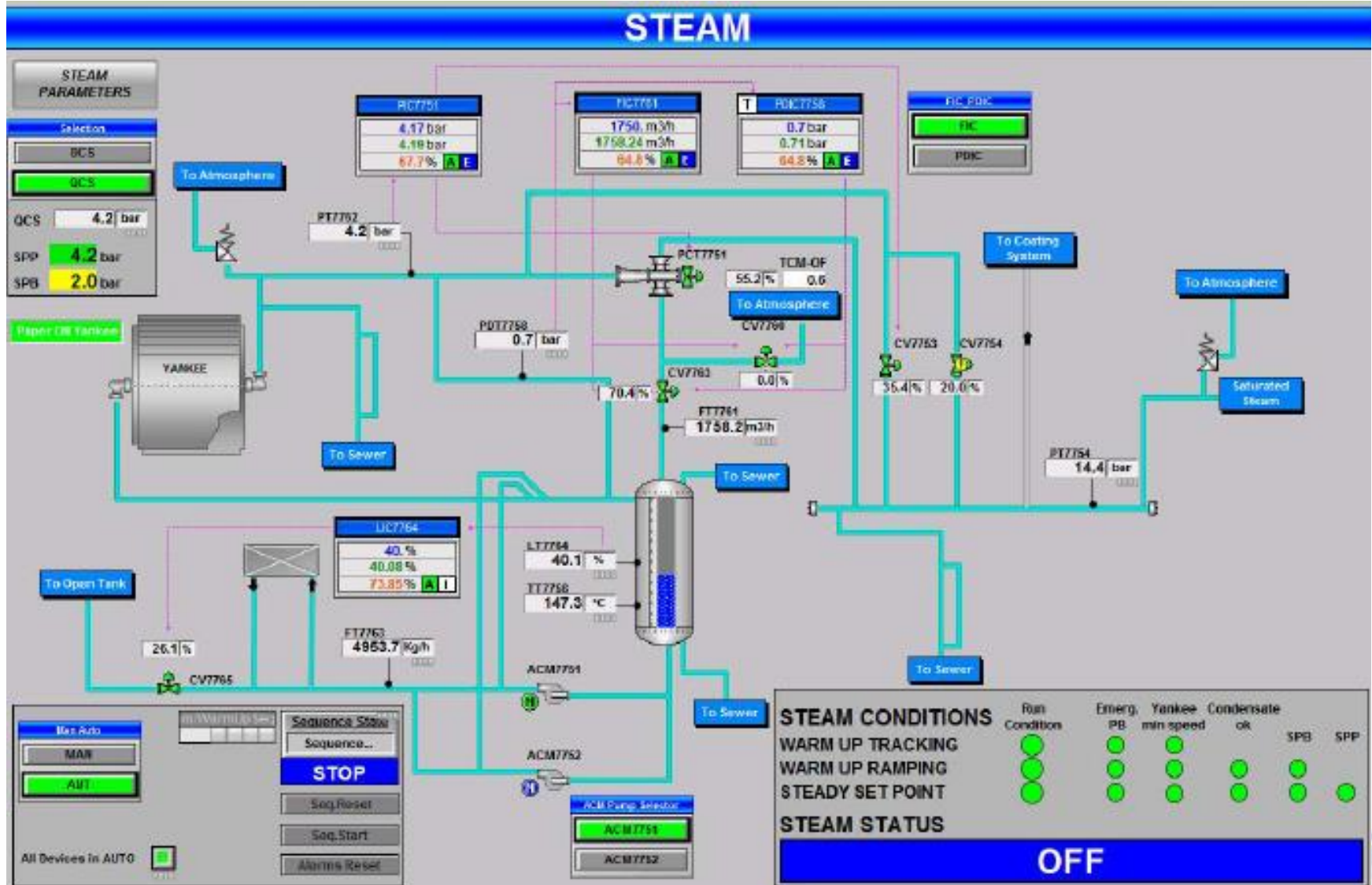
All Devices in AUTO

Paper ON Yankee

RESET

Navigation toolbar with icons for play, stop, home, back, forward, refresh, and other control functions.

REFERENCE CASE – SUCTION HOOD FOR C&S



REFERENCE CASE – SUCTION HOOD FOR C&S

