

# UTM PULPER SYSTEM

REV	REVISION NOTE	DATE	DRAWN	CHECKED	APPROVED
02	Certified, general update	09/08/2025	NOM	JNS	NOM
01	Certified	04/17/2025	NOM	JNS	MSA
00	Preliminary	02/12/2025	NOM	JNS	MSA

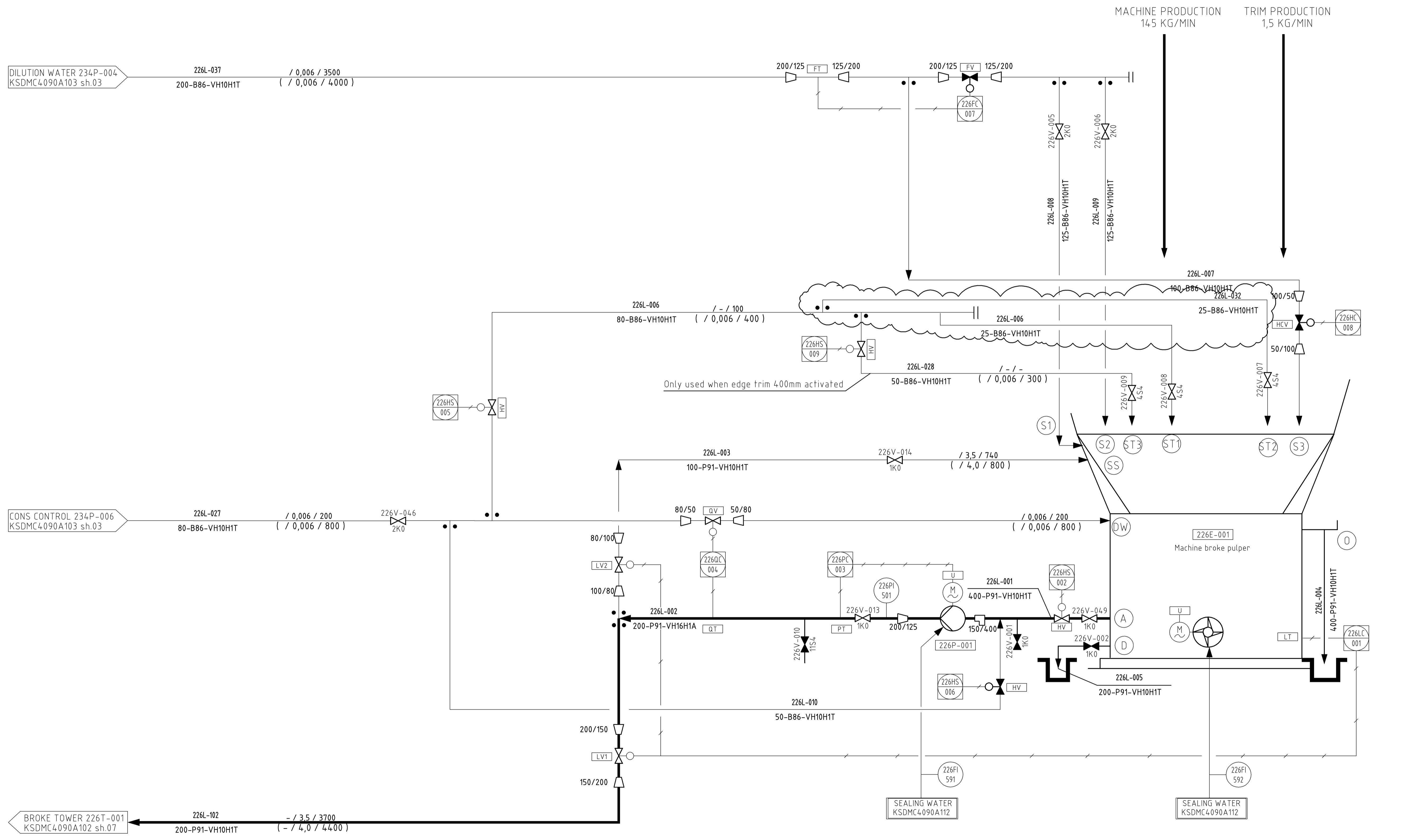
MATERIAL CODE		
CODE	NAME	
VH10HT	PN10 AISI 304L	
VH10HA	PN16 AISI 304L	
VH25HA	PN25 AISI 304L	
VH40HA	PN40 AISI 304L	

VALVE TYPE CODE (acc. to SSG)		
CODE	NAME	BODY MAT.
454	BALL VALVE	AISI 304
2K4	BUTTERFLY VALVE	CARBON STEEL
9K4	KNIFE GATE VALVE	CARBON STEEL
154	SAMPLE VALVE	AISI 304
454	SWING CHECK VALVE	AISI 304
554	DISC CHECK VALVE	AISI 304
184	SAFETY VALVE	AISI 304

FLOW SUBSTANCES	
MEDIA	NAME
P95	PULP BLEACHED DRIED DISSOLVED SULPHATE SOFTWOOD
P96	PULP BLEACHED DRIED DISSOLVED SULPHATE HARDWOOD
P91	PULP BROKE, MIX OF P95 & P96
P85	PULP, MACHINE FURNISH, BLEACHED
B85	WHITE WATER, PAPER MACHINE
B86	WHITE WATER, CLEAR FILTRATE
B88	WHITE WATER, SUPERFILTRATE
W83	WATER, MECHANICALLY TREATED
G70	AIR, VACUUM SYSTEM
G75	COMPRESSED AIR, MILL
G76	COMPRESSED AIR, INSTRUMENT
D10	EFFLUENT FLOOR, DRAINAGE
S01	STEAM, LIVE, 0.5 MPa
S02	STEAM, LIVE, 0.5-1.3 MPa
C10	CONDENSATE, LIVE STEAM
A01	WET STRENGTH
A02	SOFTENER
A03	ANTI BACTERIAL
A04	DEFOAMER
A05	WIRE/FELT PASSIVATION
A06	FLOCCULANT
A07	MOFFER
A08	ADHESIVE
A09	RELEASE
A10	BODIE



- (S1) CWW SHOWER SHEET BREAK  
FLOW 2000 l/min, 2 bar
- (S2) CWW SHOWER SHEET BREAK  
FLOW 2000 l/min, 2 bar
- (S3) CWW SHOWER PIPE  
FLOW 700 l/min, 2 bar
- (ST1) CWW SHOWER TRIM  
FLOW 50 l/min, 2 bar
- (ST2) CWW SHOWER PIPE TRIM  
FLOW 50 l/min, 2 bar
- (ST3) CWW SHOWER PIPE TRIM  
FLOW 300 l/min, 2 bar
- (SS) RECIRCULATION  
FLOW 800 l/min, 1 bar

Pipe number  
Dim. - Media code - Pipe specification

NOM FLOW kg/min / cons. % / LPM  
MAX FLOW (kg/min / cons. % / LPM)  
**20 / 4 / 505**  
**(24 / 4 / 600)**

  CONNECTED TO DCS SYSTEM
   LOCAL

TM PRODUCTION 209 BDT/D
PRODUCTION SPLIT (MAX/LINE):
SOFTWOOD 105 BDT/D
HARDWOOD 209 BDT/D
BROKE 40 BDT/D
RECYCLED BDT/D

DESIGN PRODUCTION 225,8 BDT/D "PROD." 17,5 G/M <sup>2</sup>
HARDWOOD 65 % 147 BDT/D
SOFTWOOD 30 % 68 BDT/D
BROKE 5 % 11 BDT/D

**Valmet**  
Certified  
Signature **NOM**  
Date **04/17/2025**

<b>Valmet</b> CONFIDENTIAL LOCATION OF MILL: UK PROJ. NIM. / PROJECT NIM: C4.090A LANGUAGES: / DOCUMENT KIND: FLOW DIAGRAM TITLE: VESTA MACHINE BROKE PULPER SYSTEM REASON FOR ISSUE: CERTIFIED	CUSTOMER NAME: CONFIDENTIAL CUSTOMERS DRWG. NAME/FILE: AutoCAD CUSTOMERS POS. NIM: UK SCALE: 1:1 DRAWN: ELN CHECKED: JNS APPROVED: NOM DOCUMENT ID: KSDMC4090A102	SYSTEM: AutoCAD DATE: 2024-12-17 DATE: 2025-09-08 DATE: 2025-09-08 SHEET: 6/7 REVISION: 02
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ITEM NUMBER	226E-001	226P-001
TECHNICAL DATA	HP-33B1	ACP125-315.4F
l/min, bar	- l/min	4.400 l/min
%-weight	4,5 %	4,0 %
t/d		30 m wc
DUTY, kW	Inst: 160 kW, 1500 rpm	Inst: 45 kW, 1500 rpm

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