

|    |             |            |     |     |     |
|----|-------------|------------|-----|-----|-----|
| 01 | Certified   | 04/17/2025 | NOM | JNS | MSA |
| 00 | Preliminary | 02/12/2025 | NOM | JNS | MSA |
|    |             |            |     |     |     |
|    |             |            |     |     |     |

| MATERIAL CODE |                |  |
|---------------|----------------|--|
| CODE          | NAME           |  |
| VH01HT        | PN10 AISI 304L |  |
| VH02HT        | PN16 AISI 304L |  |
| VH03HT        | PN25 AISI 304L |  |
| VH04HT        | PN40 AISI 304L |  |

  

| VALVE TYPE CODE (acc. to SSG) |                   |              |
|-------------------------------|-------------------|--------------|
| CODE                          | NAME              | BODY MAT.    |
| 454                           | BALL VALVE        | AISI 304     |
| 294                           | BUTTERFLY VALVE   | CARBON STEEL |
| 94                            | 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                      |
| W03             | 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                          |
| A101            | WET STRENGTH                                    |
| A102            | SOFTENER  |
| A103            | ANTI BACTERIAL                                  |
| A104            | DEFOAMER  |
| A105            | WIRE/FELT PASSIVATION                           |
| A106            | FLOCCULANT                                      |
| A107            | MOFFER  |
| A108            | ADHESIVE  |
| A109            | RELEASE   |
| A110            | BODE  |



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 (circle with horizontal line)  
LOCAL (empty circle)

|                              |
|------------------------------|
| 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

|   |                              |                    |
|---|------------------------------|--------------------|
| CUSTOMER NAME<br><b>Valmet</b> CONFIDENTIAL | CUSTOMER'S DRWG. NUM./FILE   | SYSTEM<br>AutoCAD  |
| LOCATION OF MILL<br>UK                      | CUSTOMER'S POS. NUM.         |                    |
| DRW. NUM. / PROJECT NUM.<br>C4.090A         | LANGUAGES<br>EN / -          | SCALE              |
| DOCUMENT KIND<br>FLOW DIAGRAM               | DRAWN<br>ELN                 | DATE<br>12/17/2024 |
| TITLE<br>VESTA                              | CHECKED<br>JNS               | DATE<br>04/17/2025 |
| FRESH WATER SYSTEM                          | APPROVED<br>MSA              | DATE<br>04/17/2025 |
| REASON FOR ISSUE<br>CERTIFIED               | DOCUMENT ID<br>KSDMC4090A105 | SHEET<br>2/3       |
|   |                              | REVISION<br>01     |

|   |
|---|
| ITEM NUMBER                                     |
| TECHNICAL DATA<br>l/min, bar<br>%-weight<br>t/d |
| DUTY, kW  |

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