

ITEM 1.0 - ONE PRESSURE SCREEN, SIZE 25

Similar to Drawing No. D36-130028 for first stage approach flow screening.

OPERATING DATA:

Accepts BDSTPD:	74-200
Accepts % Consistency:	.5-.8%
Accepts GPM:	1,546-5,235
Basket Open Area:	4.6%
Slot Size:	.010" Type "VV"
Rotor Speed:	212 RPM
Motor Speed:	900 RPM
Motor Rating:	75 HP
Feed Pressure (Max.):	100 PSI
Accepts Pressure (Min.):	12 PSI
Pressure Drop (Max.):	5-7 PSI
Number of Foils:	33
Seal Water (15 PSI > Operating):	1.5 GPM
Amplitude (Max.):	.6" .021 psi peak-to-peak.
Rotor Frequency:	117 Hz

1.1 - FEATURES:

316L SS multiple staggered foil rotor providing gentle rotor pulsations with low velocity basket throughput to produce high efficiency screening.

Body of welded construction with inlet, accept, and reject connections. All wetted surfaces are solid 316L SS.

Separate vertical motor mounting stand with adjustable slide base.

Steel shaft with hardfaced 316L SS shaft sleeve.

Packed stuffing box.

Easily removable electropolished screen basket of 316L SS.

316L SS cover with 1.50 NPT lightweight reject valve. Cover is hinged to housing to provide easy access for basket removal and screen inspection.

Basket diameter 40" - 1000 mm

VERTICAL SCREEN SIZE 25
OPERATION & MAINTENANCE
MANUAL
for
KIMBERLY CLARK CORP.
LEE, MA

VOITH SULZER JOB NO. 17989

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PRESSURE SCREEN

Certification Sheet

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I.D.	CUSTOMER <u>KIMBERLY CLARK CORP.</u> SIZE & TYPE <u>25 PRESSURE SCREEN</u> ADDRESS (ORDER) <u>LEE, MA</u> CUST. DESIGNATION <u>18 P.M. HEADBOX SCREEN</u> ADDRESS (INSTALL) <u>SAME</u> SERIAL NO. (S)* <u>3014</u> CUST. ORDER NO. <u>LGN-01376G</u> VOITH JOB NO. <u>592-9232 / 17989</u> CUST. EQUIP. NO. <u></u> ORDER DATE <u>5-26-94</u> CERTIFIED BY <u><i>Allen Hesselman</i></u> TITLE <u>SENIOR DESIGN ENGINEER</u> <u>ALLEN HESSELMAN</u>
APPLICATION	INSTALLATION DWG. <u>D36-130083</u> BSKT DWG. <u></u> BSKT TYPE <u>VV</u> P/N <u></u> STOCK TO BE HANDLED <u>SOFTWOOD & HARDWOOD</u> CONSISTENCY <u>.5-.8</u> % FREENESS <u></u> CSF THROUGHPUT <u>74-200</u> BDSTPD <u>1546-5235</u> GPM pH VALUE <u>6.5-8.5</u> STOCK TEMP. <u>130</u> °F IMPURITIES IN STOCK <u>FILLER UP TO 35%</u> SCREEN FED BY <u>GOULDS 3405 12X14-14</u> SEAL TYPE <u>MECHANICAL SEAL</u> ACCEPTS DISCH. TO <u>HEADBOX</u> REJECTS DISCH. TO <u>COUCH PIT</u> SCREEN PERF. DIA. <u>N/A</u> IN. <u>N/A</u> MM OPEN AREA <u>4.6</u> % SLOT WIDTH <u>.010</u> IN. <u>.25</u> MM ROTOR DWG. <u>D36-300006</u> ROTOR SPEED <u>218</u> RPM INLET ORIENTATION <u>0</u> DEGREES
MATL	WETTED PARTS: CAST <u>316</u> WELDED <u>316L</u>
DRIVE	DRIVE BY <u>VOITH</u> POWERBAND NO. & SIZE <u>(1) 3/5V2240 & (1) 4/5V2240</u> C.D. <u>60.44</u> MOTOR SHEAVE <u>7</u> GR <u>11.8</u> O.D. BORE <u>3.375</u> KW <u>0.88 X 0.19</u> DRIVEN SHEAVE <u>7</u> GR <u>50.0</u> O.D. BORE <u>4.000</u> KW <u>1.00 X 0.50</u>
MOTOR	MOTOR BY <u>CUSTOMER</u> FRAME <u>444TZ</u> HP <u>75</u> RPM <u>900</u> VOLTS <u>460</u> PHASE <u>3</u> HERTZ <u>60</u> MOTOR SHAFT DIA. <u>3.375</u> KW <u>0.88 X 0.44</u>
OPTIONS	<u>FURNISHED ONLY IF MARKED</u> [X] METAL TO METAL ACCEPTS FLANGE (ALASKAN) [X] ELECTROPOLISH (ACCEPTS ONLY) [X] ELECTRONIC PRESSURE TRANSMITTERS
REMARKS	*ALWAYS SPECIFY UNIT SERIAL NO. WHEN ORDERING SPARE PARTS