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EA-822-001
Dated August 12, 1991
Page 1 of 1
Prepared by J. Becker

RS2B REJECTSORTER

ABSTRACT

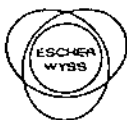
CUSTOMER GEORGIA PACIFIC
ADDRESS GARY, IN
ORDER DATE 5-12-93 SALES ORDER NO. 21706-1
C.O. NUMBER SPC-022016 SERIAL NO. RE-155

CHECK ONE:	☒			
HP/RPM	60 & 75/1800 RPM	50 HP/1800 RPM	75 HP/1200 RPM	100 HP/1800 RPM
Drive Sheave	10.9" O.D. 5V-3 Groove	8.5" O.D. 5V-3 Groove	10.9" O.D. 5V-5 Groove	10.9" O.D. 5V-4 Groove
Driven Sheave	16" O.D. 5V-3 Groove	12.5" O.D. 5V-3 Groove	10.9" O.D. 5V-5 Groove	16.0" O.D. 5V-4 Groove
Drive Bushing	2.375" Bore	2.125" Bore	2.875" Bore	2.875" Bore
Driven Bushing	80 mm Bore	80 mm Bore	80 mm Bore	80 mm Bore
Belts	(3) 5VX-1400	(3) 5VX-1320	(5) 5VX-1400	(4) 5VX-1400
Driven Speed	1189 RPM	1186 RPM	1160 RPM	1189 RPM
Belt Deflection	.76" @ 14.0 lbs.min. to 20.4 lbs. max.	.77" @ 13.0 lbs.min. to 18.9 lbs. max.	.83" @ 13.9 lbs.min. to 20.3 lbs. max.	.76" @ 14.0 lbs.min. to 20.4 lbs. max.

TAGGING: REJECTS SORTER
EQUIP. NO: 20-25-03

REMARKS: _____

CERTIFIED BY: C. Richardson DATE: 6-28-93



Erection and Operating Instructions

REJECTSORTER

General data

Customer's order No. dd.
Escher Wyss order confirmation No. dd.

Machine data

Machine type: RS 2B
Machine number:
Serial number:
Admissible installed power: 55 kW
Machine speed: 1175 1/min
Net weight: ca. 1800 daN
Flywheel momentum:
(without belt pulley) $GD^2 = 15 \text{ kpm}^2$
Mass inertia momentum:
(without belt pulley) $J = 3,75 \text{ kgm}^2$
Max. inlet pressure: 0,1 bar
Spray water pressure: 3 - 7 bar
Spray water consumption: to 100 l/min
Spray water quality: back water $\leq 1500 \text{ mg/l}$
Gap width screen/sweeping
plates: 0,5 - 1,5 mm

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1.0 General

These operating instructions have been compiled for you in order to make you familiar with the machine and to give you directives for the erection, disassembly, maintenance and operation.

1.1 Application

The EW-Rejectsorter is used as final stage screen for the wet preparation of waste paper. It serves to continuously remove the light impurities.

1.2 Mode of operation

A rotor throws the supplied stock onto a screen half, cleans the screen and loosens the fibre bundles for better screening (Fig. 1).

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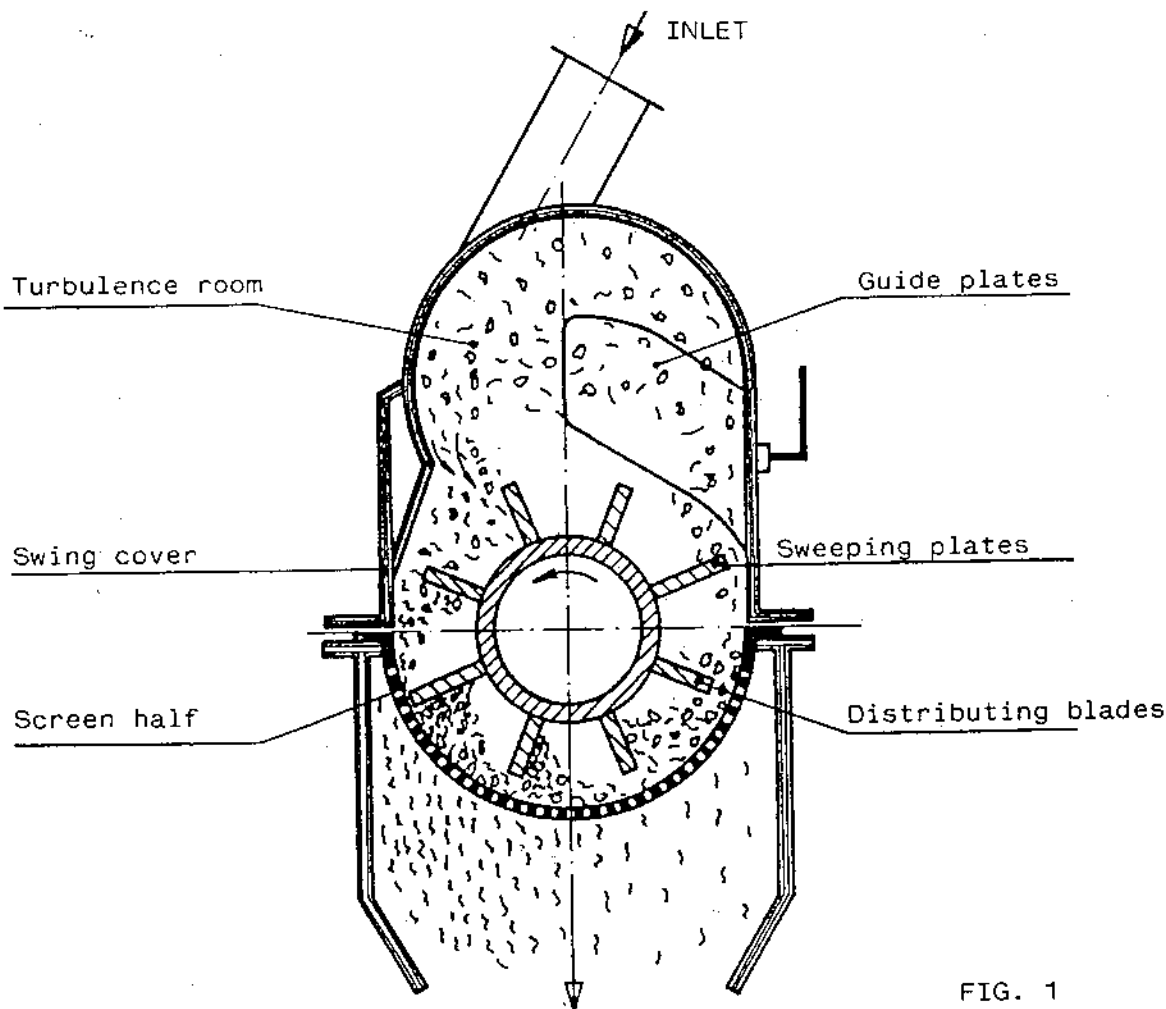


FIG. 1



Erection and Operating Instructions

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The rotor is equipped with sweeping plates and distributing blades. After every half rotation of the sweeping plates the stock in front of the sweeping plates first enters the turbulence room. From the turbulence room the stock then flows back to the rotor area. The equal distribution of the stock on the screen is now mainly carried out by the distributing blades, which operate at a certain distance from the screen.

Several guide plates arranged in series direct the stock from the inlet axially through the Rejectsorter, whereby the impurities retained by the screen half are finally discharged continuously through the reject pit at the end of the Rejectsorter. The rejects stock consistency is $> 10 \%$.

ESCHER WYSS G.M.B.H.

Rejectsorter RS 2B

Page 6
8 481129