

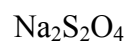
(1)

1.

，
2
1
2
가
가

- NaClO
- NaClO₂
- H₂O₂

가
가



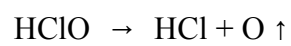
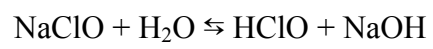
1.1

(1) NaClO

150g/l

pH 11.5

가



가

J-and U-Box	1:1	4~15	20~25	20~30
Jigger	1:2~1:5	4~10	20~30	45~60
Circulation	1:5	2.5~4.5	20~30	60
Winch	1:20	1~2.5	20~30	45~60

가 1:1 pH 9.5~10.5

- 1.8%

- 0.6%

- 0.3%

pH

pH 7

7

가

0.3 g/l NaHSO₃,

0.5~1g/l Na₂S₂O₃

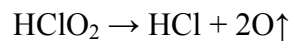
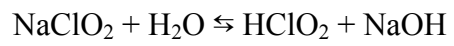
NaClO

Pilling

(2) NaClO₂

50~80%

30%

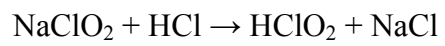


가

가

가

가



		NaClO ₂ (g/l)	pH	()	(min)
Jigger	1:5	2~5	4	40~80	60~90
Circulation	1:20	1~2	4	40~80	60~90
-	1:1	10~20	5.5	90	2~4h
-	1:1	30	5.5	90	2~4h
	1:1	15	3.5~4	95~100	30~60
	1:1	15	3.5	110~120	2~3min

pH 가 .

Pad-Steam 70

. pH . pH 3

가 pH 5 .

(NH₄)₂HPO₄ Na₃PO₄가 가 .

NaNO₃가 가 .

.

.

Chlorite가 가 .



가

ClO₂ 0.01ppm

K₂()

Na₂HPO₄ 가 가

.

ClO₂ < 1> .

가 0.3kg/h 30mg/m³

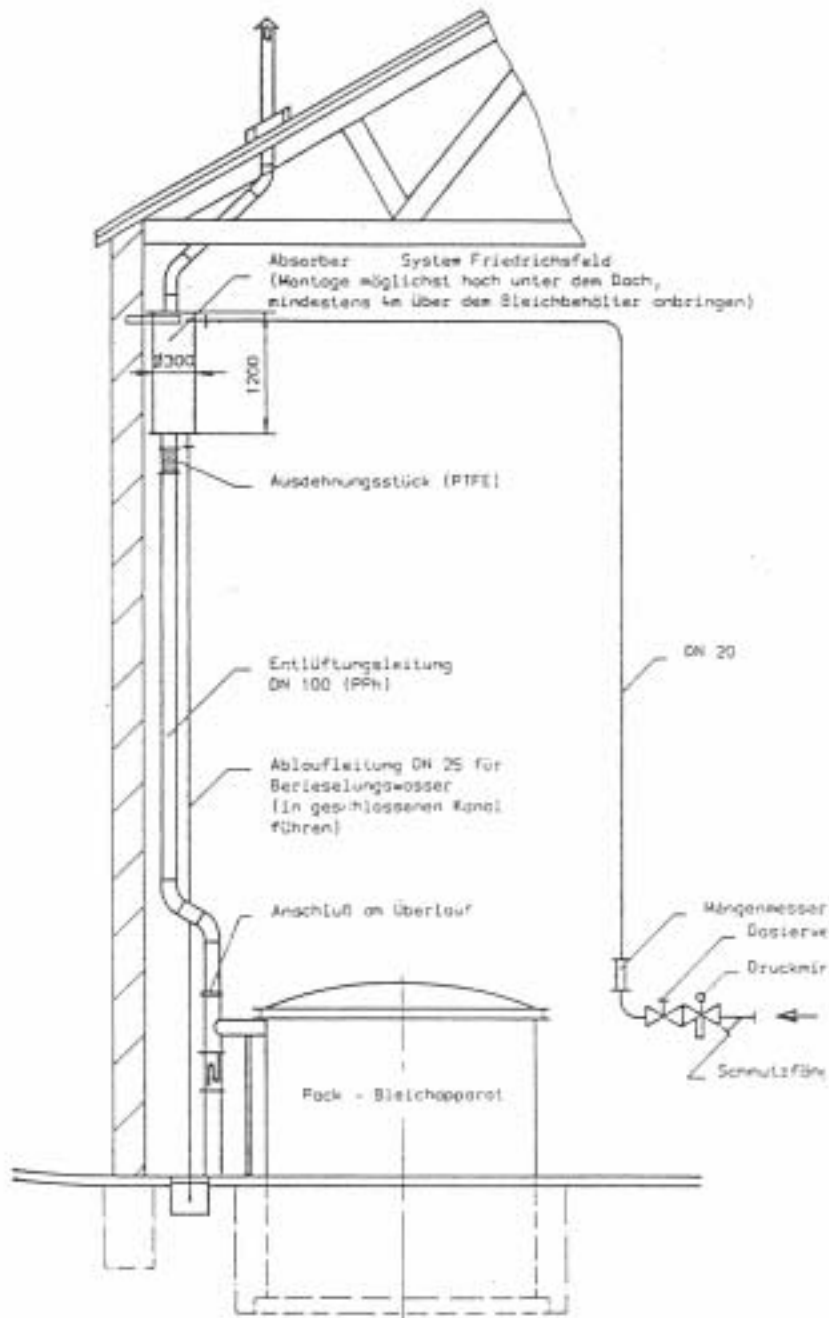
.

가 . V2S

NaNO₃

K1

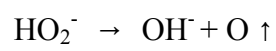
K2



< 1> CO₂ (Friedrichsfeld)

,
 (Polyester Polypropylen
)

(3)
 가 (H₂O₂)
 30~60%



HO₂⁻
 가

		H ₂ O ₂ 35%		NaOH			(h)
		g/l	g/l	g/l	g/l		

	1:4	1~3	1.5~5	1	-	100	1~2
Circulation	1:10	5~10	4	0.5	1	100	1~2
Winch	1:20	7~12	9	-	-	90~95	1~2
Jigger	1:1~1:2	10~25	7~14	0.5	-	90~95	1~2
	1:0.7	30~40	12~20	3~5	5	25~40	12~24
J-Box	1:1	8~25	5~15	1~3	-	98~100	0.5~1
HT-steam	1:1~0.7	8~(15~25)	5~15	1~3	-	98~100	2~3(min)

pH 10.6~10.8 .
35% ()

2.5%
1.5%
1.3%

15~35g/l
Ma4P2O7 1~3g/l
(25%) 0.5~2g/l
pH 8.5~9.5
45~55

Leviathan	Flocking

circulation	Flocking
winch	,
Impragnation	steaming 5~15min cold ageing 8~10h 100 ageing 4~5min
Padder mangle/steamer	
Padder mangle/presser	top

가

(Na₂SiO₃)

40%

(MgSiO₃)

0.1~0.3g/l

가

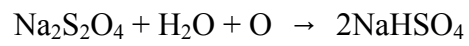
가

1.2

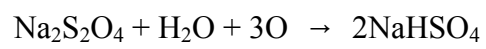
(1)

(Na₂S₂O₄)

-



-



1~4 g/l

2~3g/l (pH 8)

: 40~50

: 2~3h

. ()

1.3 ()

가

가 .

가

Ce-Es

. Ce-Es

Chlor

Sauerstoff

S

1000kg tricot

- 2.5kg

- 80.0kg

- 4.0 kg 가 (1)

- 40.0kg (50%)

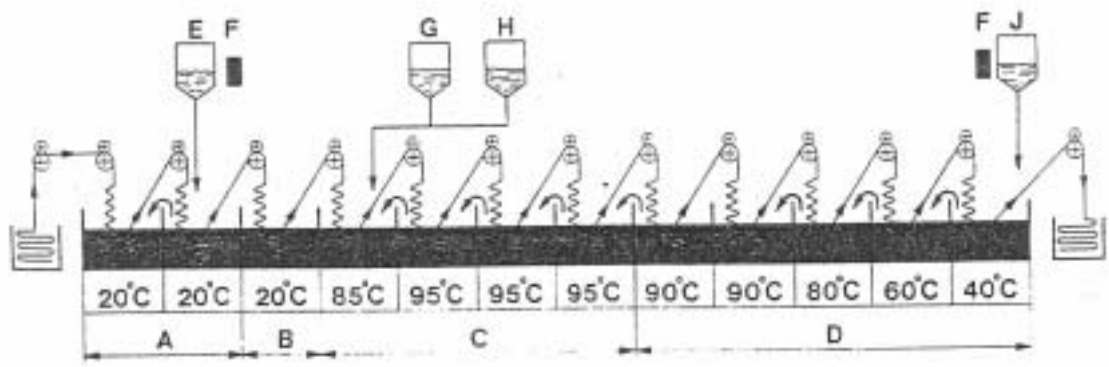
- 5.0kg 가

- 6.0kg

- 10.0kg

- 1 : 4

CS-



< 2> CeEs-

a= b= c= d=

e= f= g= 가 h= j= /