7. 7.1. (1000 30...40%, 90...95%.) –). γ-) 1 (/ ³). 2.04.03-85 - 10 / ³; - 5 / ³; - 3 / ³. 1,5 / 3,

), (100 3000

48 , 0,6...0,8

,

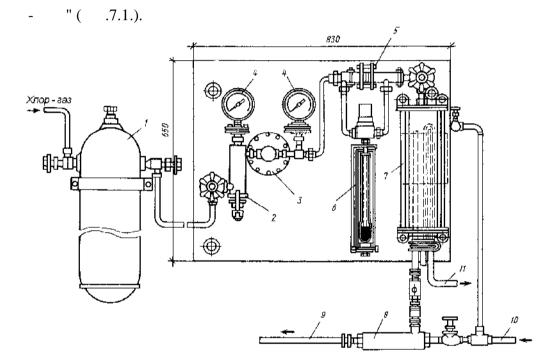
 $\begin{matrix} , \\ 1_2 + H_2O \longleftrightarrow HClO + HCl \\ HClO \end{matrix}$

CI⁻,

. -

,

,



. 7.1.

1- ; 2- ; 3- ; 4- ; 5-; 6- ; 7- ; 8- ; 9- ; 10- -

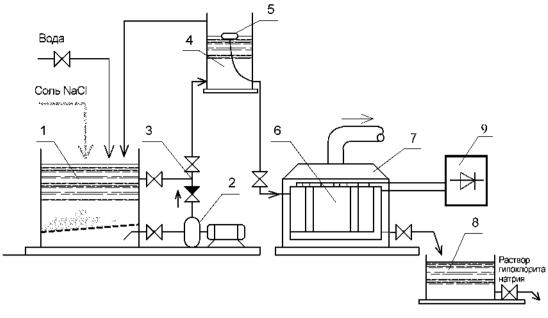
(. 7.2).

. 100 .

, 1 -

```
50
                                                                                                    Водопровод
Хлорная вода
                                           . 7.2.
1-
5-
                                                ; 3-
                                                                                                                    ); 4-
           ; 2-
                                                                                         CaCl<sub>2</sub>O
, Ca(ClO)_2.
                                        CaCl<sub>2</sub>O
                                                      Ca(ClO)<sub>2</sub>
                                               0,5...1 %
                                            50
                 NaClO.
```

. 7.3).



. 7.3. :

; 5-1-; 2- ; 3-; 6-; 7-; 9-

NaCl, 200...310 / .

 $2Cl^{-} - 2e \rightarrow Cl_{2}$, $1_2 + _2O \rightarrow HClO + HCl.$

 $Na^+ + OH^- \rightarrow NaOH$.

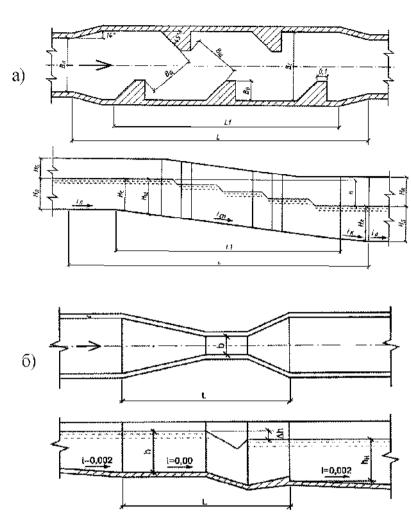
 $NaOH + HClO \rightarrow NaClO + H_2O$.

NaCl.

NaClO.

NaCIO

 $1400^{-3}/$), (. 7.4)

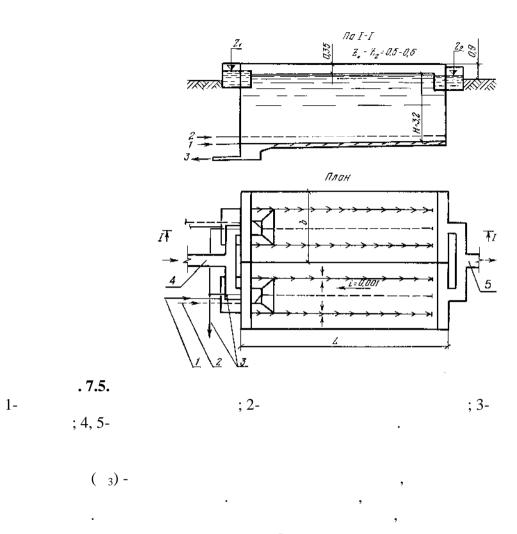


. 7.4.

30 .

. 7.5. 5...7)

107



().

,

•

7...10

8...14 / ³.

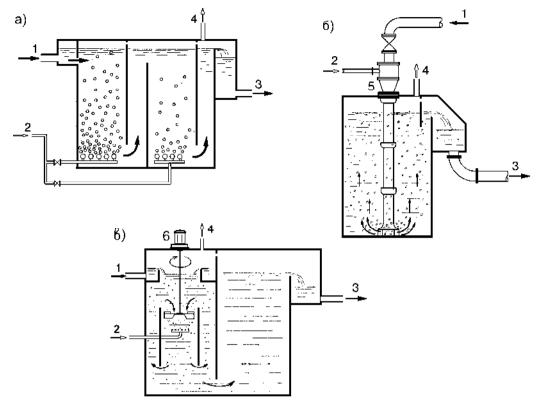
,

20 / 3

108 40%, 60...70%, 90%, 60%, (5...25).), . 7.6) 7 10 . 7.6. 1-; 3-; 5-; 6-; 9,10-

);

. 7.7.



2...8%.

340...350

3

```
60...120
                                                           ( )
              I (
                                                        ( ).
                         30
                                      20000 <sup>3</sup>/ ).
         Fe_2O_3, Cr_2O_3, V_2O_3
                                                                        40...150°,
                                2...200
                                          50...10000
                                                                                       600...800°
                                                                                    " ") - 6 1000 <sup>3</sup>/
```

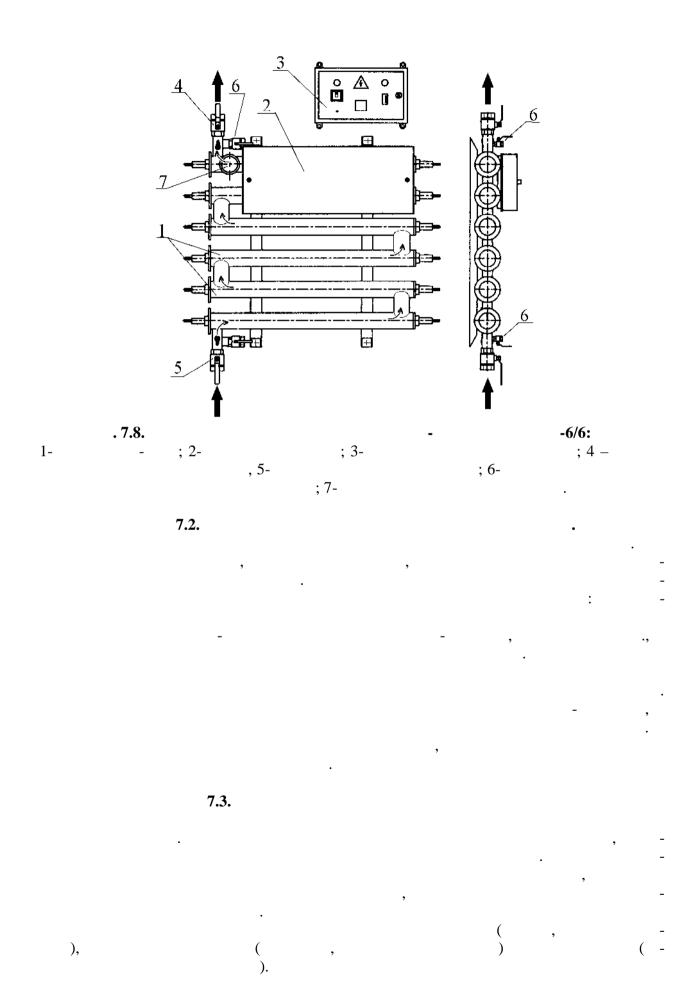
(1,5).

. 7.8

 $\begin{array}{c} 12000 \\ 6 \end{array}^{3}/ \ .$ -6/6

45

-75-2

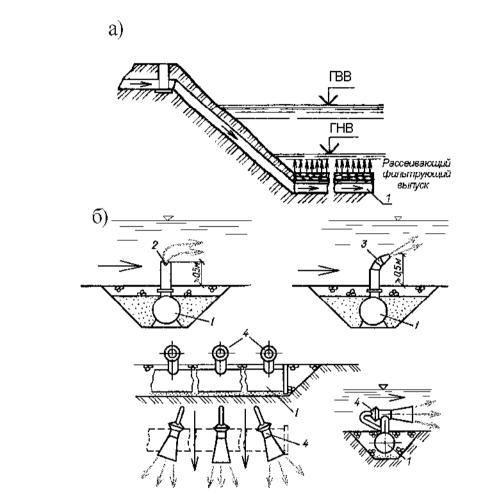


112

,

· (. 7.9),

· , -



.7.9. : - : - : - : 1- : ; 2- : ; 3- : - : ; 4