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\_\_\_\_\_ **2015**

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\_\_\_\_\_ :

\_\_\_\_\_ : , 09 2015

\_\_\_\_\_ : 8.00 - 10.30

μ 3 μ ( , , ) (12)

\_\_\_\_\_ **2 30**

- \_\_\_\_\_ :
1. \_\_\_\_\_ .
  2. \_\_\_\_\_ μ .
  3. \_\_\_\_\_ μ μ μ μ .

\_\_\_\_\_ : (12) μ μ (4) μ .

1-7 .

1. μ μ μ μ μ μ :

( ) μ

( )

( ) μ

( ) μ - μ

2. μ 6 μ μ μ 180 m<sup>3</sup>, μ :

( ) 30 m<sup>3</sup>/h

( ) 60 m<sup>3</sup>/h

( ) 45 m<sup>3</sup>/h

( ) 25 m<sup>3</sup>/h

3. μ ( ) μ μ ( μ ) :

( )

( )

( )

( )

4. ( ) 300 m<sup>3</sup> (10) μ μ ( CH ) 15 m<sup>3</sup> / h μ . μ

( ) 3.0

( ) 0.5

( ) 2.0

( ) 1.5

5. μ : (backwash) μ μ

( ) μ

( )

( ) μ

( ) μμ

6.  $\mu$   $\mu$   $\mu$   $\mu$  :

- ( )  $\mu$   $\mu$   $\mu$   $\mu$
- ( )  $\mu$
- ( )  $\mu$
- ( )

7.  $\mu$  :

- ( )
- ( )  $\mu$   $\mu$   $\mu$
- ( )  $\mu$
- ( )

8.  $\mu$  (4)  $\mu$   $\mu$  .

- ( ) .....
- ( ) .....
- ( ) .....
- ( ) .....

9. (4)  $\mu$   $\mu$   $\mu$  .

- ( ) .....
- ( ) .....
- ( ) .....
- ( ) .....

10.  $\mu$  (4) ,  $\mu$   $\mu$  .

- ( ) .....



\_\_\_\_\_ : (4) μ μ (8) μ .

13. μ 2 μ μ μ  
( ) μ  
( ) μ (4) μ  
( ) μ (4) μ μ .  
μ μ μ .



μ 2

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14.            μ 3

- ( )            μ
- ( )
- ( )

(2)

μ

μ



(i)



(ii)



(iii)

μ 3

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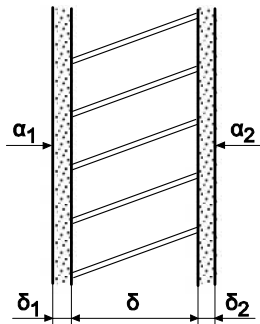
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15.  $\mu$  4  $\mu$  ,  $\mu$   $\mu$  (  $\mu$  )  $u$   
 $\mu$  :  $\mu$  :

$= 250 \text{ mm}$  ( )  
 $\delta_1 = \delta_2 = 30 \text{ mm}$  (  $\mu$  )  
 $\mu_1 = 7$   
 $\mu_2 = 20$

$\mu$  0,36 W/m °C  
 1,00 W/m °C

$$u = \frac{1}{\frac{1}{\alpha_1} + \frac{\delta}{K} + \frac{1}{\alpha_2}}$$



Τοίχος από τούβλα σε τομή

$\mu$  4

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\_\_\_\_\_ : (2)

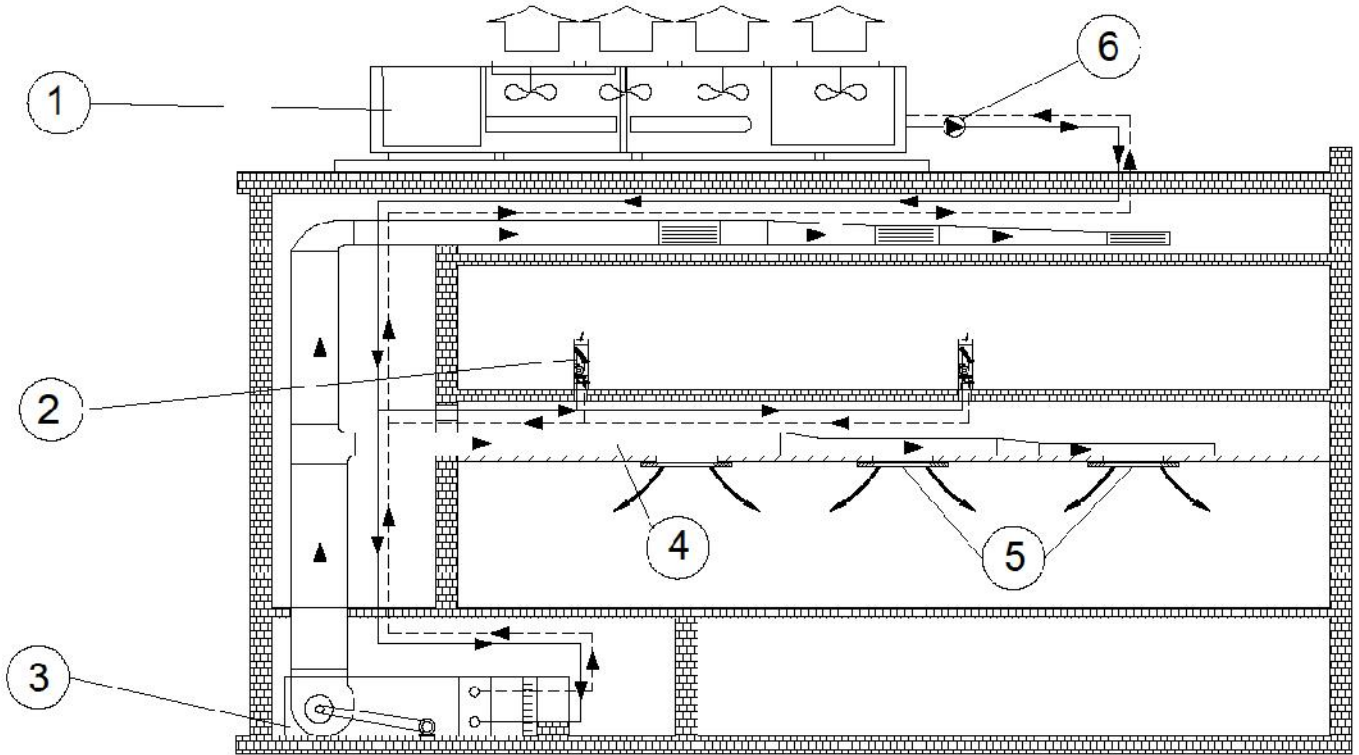
μ μ (10) μ

17. μ 6

μ μ μ μ μ

( ) μ 3 μ μ μ μ 1

( ) μ 6. μ .



μ 6

3

$\mu$	$\mu$
1	
2	
3	
4	
5	
6	

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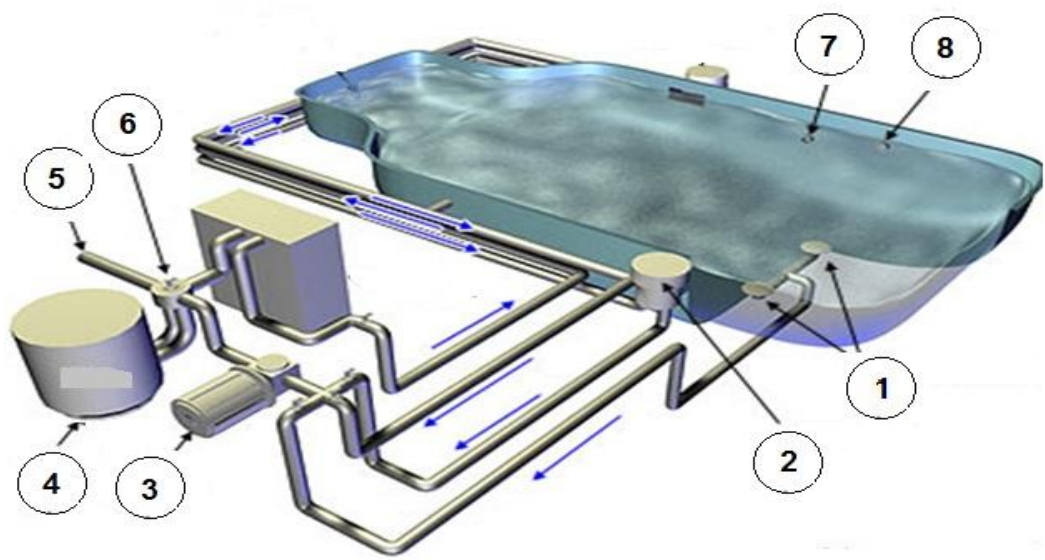
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18. ( ) μ 7 μ μ 4 μ μ μ μ .  
 ( ) μ 1 μ 8. μ μ .



μ 7  
4

μ μ μ	
μ	μ
1	
2	
3	
4	
5	
6	

7	
8	

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