

( . . , . . , . . , . . ) , . . , . . ; . . : . . , . . ; . . : . . , . . , . . ; . . : . . , . . , . . , . .

*The industrial filter of the new design is presented that allows carrying out dry purification the air streams polluted by the dust at the expense of filtration and centrifugal forces. The filtering surfaces are constantly cleaned.*

*Keywords: the filter, dry purification, dust collecting, regeneration.*

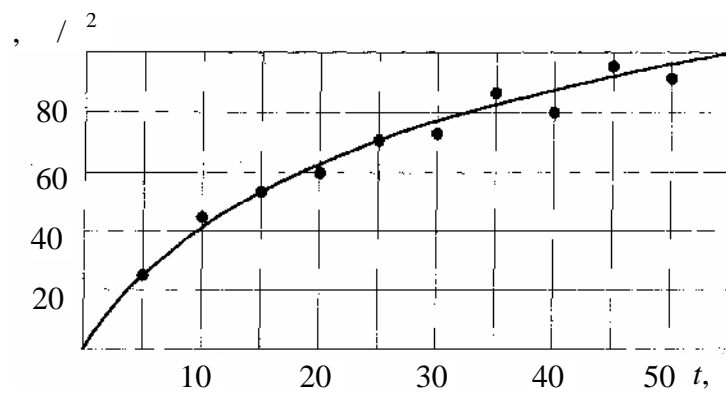
, . . - , , . . , . . , . . , . . c . . , . .

[1]. 60 / <sup>3</sup> , . . , . .

,  
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 :  
 ( , )

[2, 3]

( . 1).

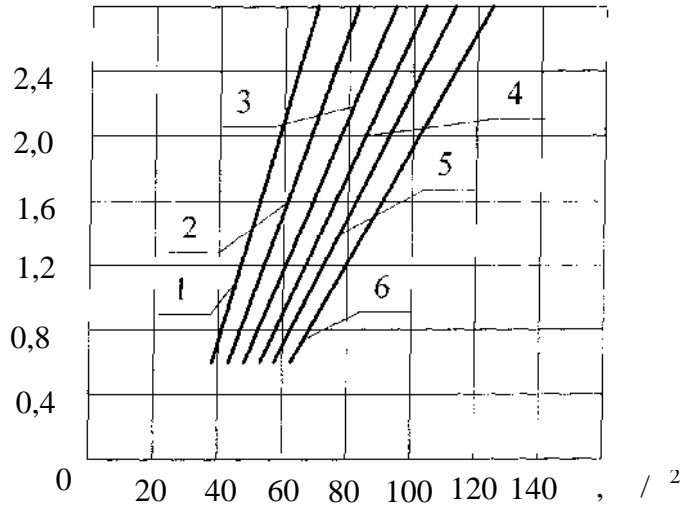


. 1.

( . 2).

( 1-6).

$Q, \text{ } ^3/\text{ } ^2/$



. 2.

[2, 3]

$$P = P + P \tag{1}$$

— , / <sup>2</sup>; — , / <sup>2</sup>.

35...60

[4]

$$= 8\mu dV \cdot \left[ \frac{9d^2h \cdot (1 - \quad)^2}{2} \right], \tag{2}$$

$\mu$  — , ;  $V$  — ,  $\cdot / ^2$ ;  $d$  — , / ;  $h$  — , ; —

(2)

$d$  20  $V$  20  $V = 0,6...1 /$  ,  $V = 2,5...5 /$  .

$$S = \frac{Q}{60 \cdot V}, \tag{3}$$

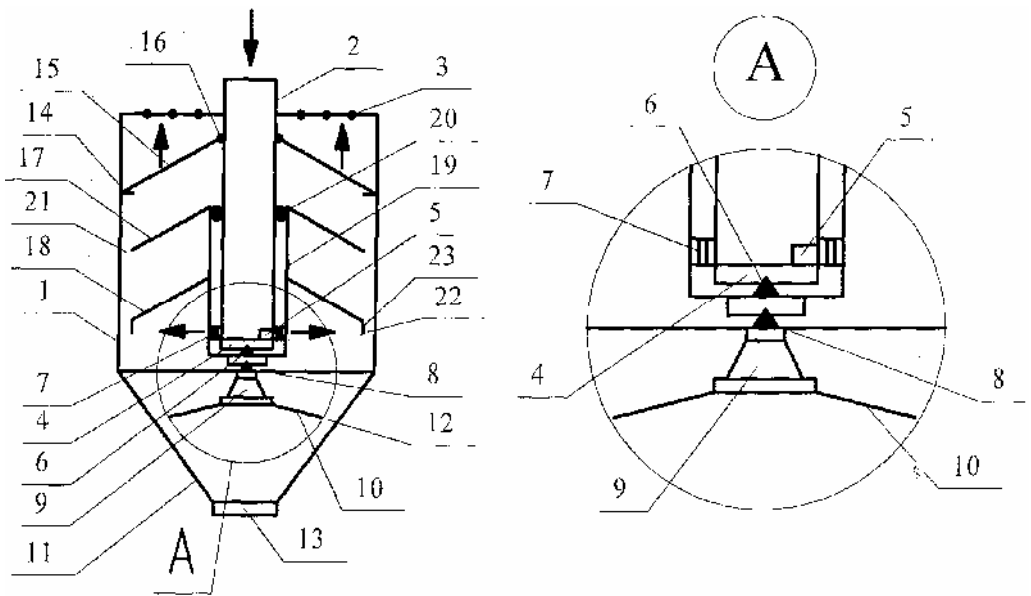
$S$  - ,  $Q$  - ,  $n$  -

$$n = \frac{S}{F}, \quad (4)$$

$F$  - ,  $n$  -

( . 3).

1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23



. 3.

9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23

11, 11, 12, 13.

( ),

( . 2, 3).

14, 15,

16. 17

18, 19, 20,

21 22

23,

2, 5,

7, 19

23

3

21 22

23.

11. 12,

11

13. 10  
18.

1.

2.

1.

2.

250 .

3.

4.

1. ,

2. , , ,

1. / [ . ” , 1984. - 336 .

2. / . . . - : , 1956. -

3. . . . / . . . , 1958. - . 205-238.

4. . . . /

. . . . - : , 1966. - . 57-64.