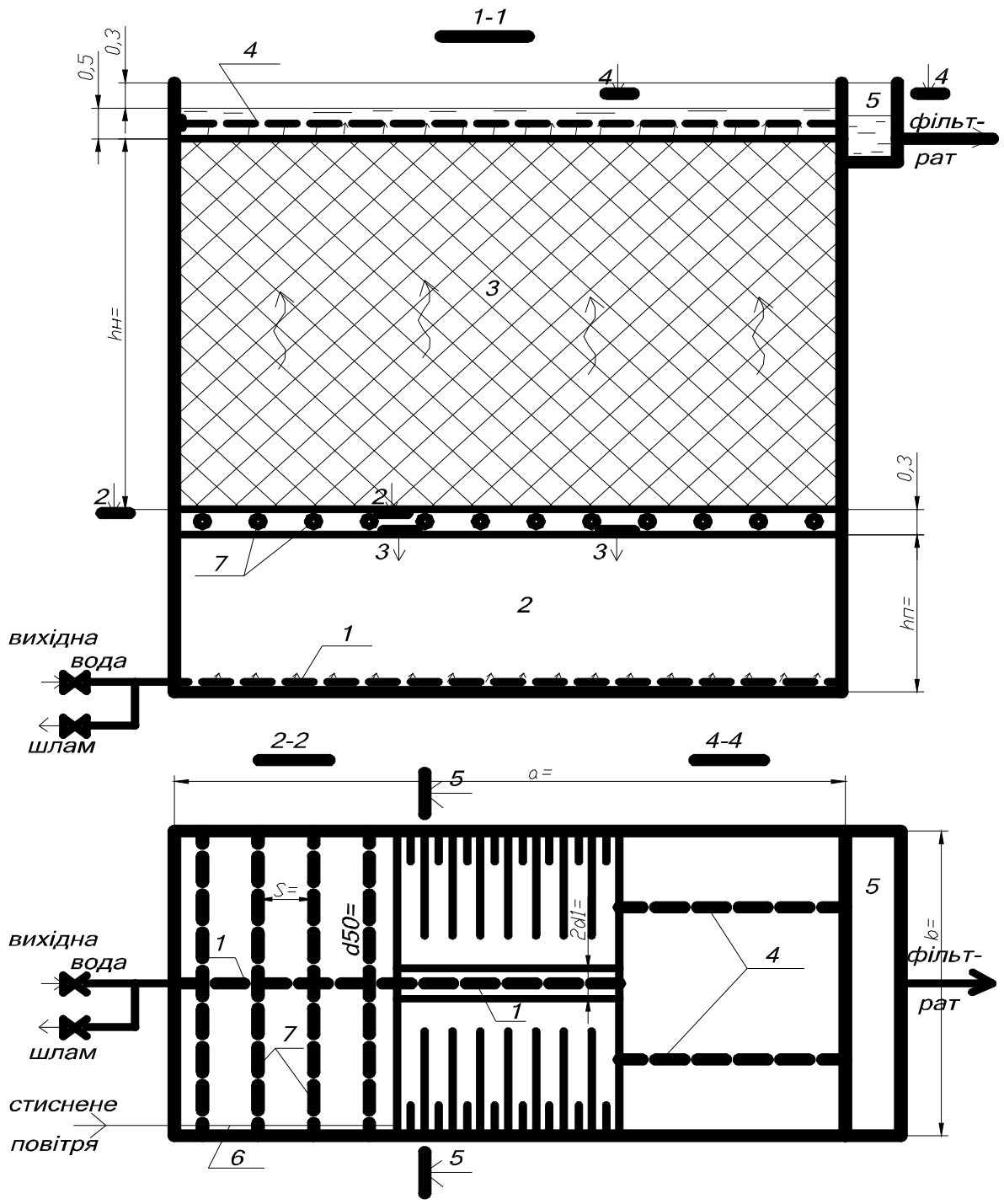


1 (. . . , .), . . . 2 (. . . , .)

« (,) « »
()
- .
4
, , ,
() ()
- ()
20 / . 500 / ,
» () «
« » () » () « » () .

« 3» « » « [1,2], [3].

() .
.1 , .
, (3) .
« » [4].



$\alpha = 90^\circ$; $a^6 = 12$; $b^3 = 3$; $h = 2^4$;

[1,2,5,6].

1 .

$$F = Q/V (24 - n t_n),^2,$$

$Q -$
 $V -$
 $n -$
 $t_n -$

$$F_1 = a \times b,^2,$$

$a -$
 $b -$

$$N = F/F_1.$$

$$V = V N/(N-1), / .$$

V V V V

2 . d_1 .682 2.04.02 -
 84 [8] [9]

0,25...0,3 . [8]
 45...50 / . [7]: $V = 7...10 /$, $V = 13...17 /$, $V =$
 3...5 2 45^0

3

$$h = 0,5 (b - 2d_1) \operatorname{ctg} \alpha/2,$$

$$= h + h + 1,1,$$

$$W = a b (h + 0,8),$$

$$W = 0,5 a h (b + 2d_1),$$

$$: W = W + W,$$

4

$$W = W,$$

$$q = V \pi d_1^2 / 4,$$

V –

$$[8] V \geq 1$$

$$t = W / q.$$

$$W = W n N,$$

$$= 100 W / Q, \%$$

1.

[] / // . - . - 2008. - 1-2. - .8-12.

2. meltchenko . . Study of the use of mine waters as a source of industrial water. [xt] / . . meltchenko, G.W.Pan'ko // Intern. Scientific Conf. "Water Management – State and Prospects of Development". Collected articles. Part.1. – Rivne.- 2010, April 15-16. -P.246-248.

3.

. – : „ ”, 2009. – 438 .

4. []
/ . . , . . . // . - , . - 2011. - 1-2. - .12-17.
5. [] / . . // I : . - .3. - 2001. - . 89-92.
6. [] / . . , . . //
- . . « - - ,
» . : 2009. - .158-159.
7. (2.04.02-84) - . : , 1989. - 185 .
8. 2.04.02-84 « ».- . : , 1985. - 136 .
9. . . :
. - . : , 1984.-116 .

M. melchenko, L. ovalenko

TO QUESTION OF CALCULATION OF FIBRED FILTERS

On the Department of Water Supply, Water Disposal and Water Resources Conservation and Protection of Donbas National Academy of Civil Engineering and Architecture (DNECTA) and the Department of nvironmental ctivities of Donetsk National Technical University (DNTU) new buildings are developed for cleaning of natural and industrial flow waters from hangings up matters are fibred filters. Used in the construction of the nozzle in the form of rockfish from synthetic fibers. Suspended impurities of water after handling reagents by filtration through a filter medium and stick to the fibers are extracted from the water. To clean the fiber tips is blown with compressed air in the flooded condition. The method of calculation of fibred filters is lighted up only in the methodical pointing of DNECTA and DNTU and not published in informative hardwares. A current publication contains 4 stages of calculation of fibred filters for the use designers in industry of environmental protection. water treatment plant, cleaning of industrial flow waters, filtration of natural waters, fibred filters