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82 //  
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. **7.** . . . . . , . . . . . , . . . . . , . . . . . , . . . . .  
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/ . . . . . , . . . . . , . . . . . . . . . .  
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661.96; 614.84

. . . . . , . . . . . , . . . . . , . . . . . ,  
. . . . . , . . . . . , . . . . . , . . . . . ,  
. . . . . , . . . . . ,

. . . . . , . . . . . , . . . . . , . . . . . ,  
. . . . . , . . . . . , . . . . . , . . . . . ,  
. . . . . , . . . . . , . . . . . , . . . . . ,

The paper the questions of hardware registration metal-hydride technics, in particular the thermosorption compressor which are alternative to the used equipment for processings of hydrogen are considered. Proceeding from experience of authors, attempt to unit in a uniform package normative documents which regulate a choice and configuration of units and units at creation metal-hydride technics is undertaken.

. . . . . , . . . . . , . . . . . , . . . . . ,  
. . . . . , . . . . . , . . . . . , . . . . . ,  
. . . . . , . . . . . , . . . . . , . . . . . ,

. .),

[1].

[2, 3].

4 ÷ 75 % ( .),

4 ÷ 96 % ( .).

120 / ,

10 %

[4].

[5]

I –

II –

II,

. 1,

( . 2),

( . ).

1

II	0.9		
II	0.5	0.9	
II	0.5		

2

II		0.8	
II	0.4	0.8	
II		0.45	

-

,

-

(27 %)

0.29 [5].

ИИ.

. 3.

3

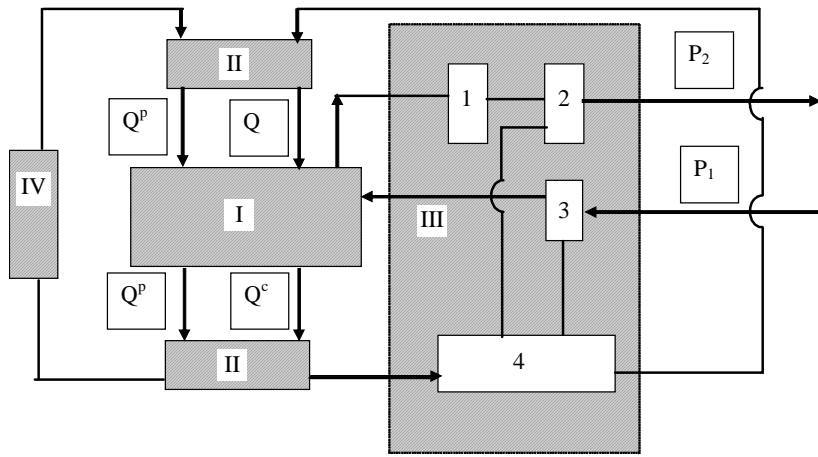
1		400	
2	300	450	
3	200	300	
4	135	200	
5	100	135	
6	85	100	

500 – 520 ° [4],

1.

ИИ-Т1,





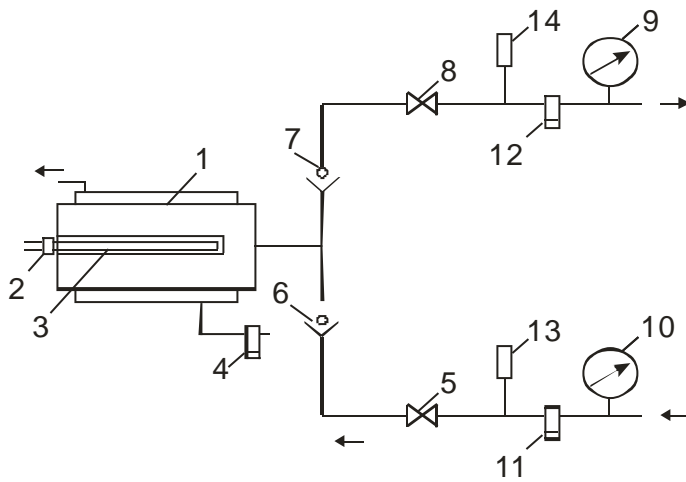
.3. - :

I - ; II - ; III -

, 1, 2 3, 4 ;

IV -

.4.



.4. :

1 - ; 2 - ; 3 - ;

4, 11, 12 - ; 5, 8 - ;

6, 7 - ; 9, 10 - ; 13, 14 -

:

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 . -  
 - ( ), -  
 , -  
 ( ). -  
 ( ). -  
 3 ( ). -  
 ( ), -  
 4. -  
 5 6. -  
 7 -  
 8. 9  
 10. 11 12 , 13 14 , -  
 , 3 4, -  
 . -  
 , -  
 - . -  
 . -  
 - - - -  
 , , , ,  
 , , , ,  
 70 , 15.0 -15-10 30.0  
 -300-2.5 [6, 7]. 573 .  
 “ ,  
 ” ( “ ”)  
 ( 0.07 ) ( -  
 , 1, 2 12.1.007) 1-  
 ( . 1, . 5 [8]). ,  
 - - ( ) -  
 . :  
 , :

“...1.1.2. : 0.07  
 ...2) ,  
 (0.7 / <sup>2</sup>);...  
 ...1.1.3. :  
 ...2) 0.025 <sup>3</sup> (25 ) -  
 , - ;...  
 ... 0.025 <sup>3</sup> (25 )  
 ( / <sup>2</sup>) <sup>3</sup> ( )  
 0.02 (200)...  
 ...13) ,  
 150 , ,  
 150 .” -  
 . -  
 - , 50 1 [3, 6, 7]. , -  
 5 . -  
 40 %  
 ( 65 %). . 1.1.3 ( 2)  
 : ”... -  
 , , -  
 ...” . -  
 , .  
 (200)  
 -15-10  
 -300-2.5:  
 65.7 74.4.  
 , , -  
 , , -  
 - -  
 . -  
 , -  
 , -  
 :

“...6.2.1. , , -  
, , . 6.2.2. , -

6.2.2. :  
1) 1- , 200° , -  
( / <sup>2</sup>) <sup>3</sup> ( )  
0.05 (500)...”.  
, , , -15-10 -300-2.5  
300° .

, , , -  
. 1.1.3 , ,

( ) — “ ” ( ).

, . . . -  
“ ” [9], , -

566000-4 566000-6 250 / <sup>2</sup>.  
— . 2006 . -

4 ÷ 10 -



“

9 4.473.226” ( “ ”, . -

) 16 60 (“ ”, . -

).

“ ” [9]

26022-010 ( “ ”, . ). -

“ ”.

491211-001 29207 ( “ ”, . -

) 491141.005 ( “ ”, . ). -

( . . ) -

( ), ( -

- ). -

. c -

[10] ( “ ”). -

( ПС-Т1),

[10] [11].

“...”,

0, 1, 2...

...4.5.2. 0 –

...

4.5.3. 1 – (...

4.5.4. 2 –

...

...4.5.9.

, 2 -  
 0.75 ...”  
 [11] :  
 “...7.3.40. -1 - , -  
 , -  
 , -  
 , -  
 7.3.41. -1 - , -  
 ( -  
 )  
 , -  
 7.3.42. -1 - , -  
 , -  
 :  
 1. -  
 (15 % ) -  
 12.1.005-88 ( , -  
 ). -  
 2. , , -  
 , 5 % -  
 , 0.75 .  
 , ...”  
 “... -  
 , -  
 ...” ( .4.5.9. [10]) “... ,  
 5 % ...” ( . 7.3.42, 2

[11]),

2 [10] -1 [11].

[10] ( .4) [11] ( .5)

4

0	
1	
2	80 ° IP54

5

-1	
-1	80 ° IP54
-1	IP44

“ ”

” [10].

:

“...4.4.2...- ( ) -  
-  
-

,  
- 2...”[10];

“...7.3.32... “  
” - , -

. - 2...”[11].  
“... ...”

“... , , ...”.

(2), , (II - 1)

HC  
[10] [11]

- “d”;  
- “i”.

“d” - “... , -

...” [12].

“i” - “... , ...” [12].

“d”  
“i”,

“i”., ,  
[10, 13]:



[15, 16, 17].

1. . / . . . ( 2- ).  
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“ ”
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