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15.02.08

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15.02.08

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$$p = p_0 + \rho \cdot g \cdot h \quad (1)$$

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0 —

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g —

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$\rho \cdot g \cdot h$ —

0,

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(1),

p_0

(

h

).

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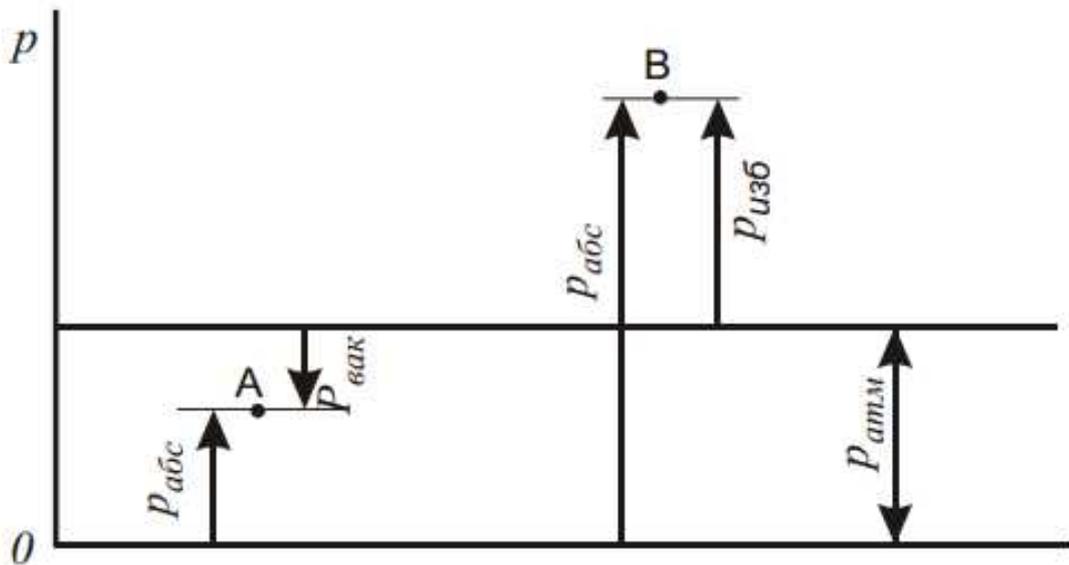
),

. 1

p ,

p ,

p .



. 1.

0 = +

0 = -

$$\frac{1}{98100} \cdot \frac{1}{0,1^2} = 1 \quad (\quad) = 10000 \quad / \quad ^2 =$$

“ ” “ ” (, p=2 , p=3 . .).

$$h = \frac{P}{\gamma} = \frac{P}{\rho \cdot g} \quad (3)$$

(3) ,

$$10 \cdot \frac{1}{13600} \cdot (\quad / \quad ^3) = 1000 \quad / \quad ^3 = 735,5 \quad . \quad . \quad . \quad (1 \quad)$$

: 1 -

, 2 -

, 3, 5 -

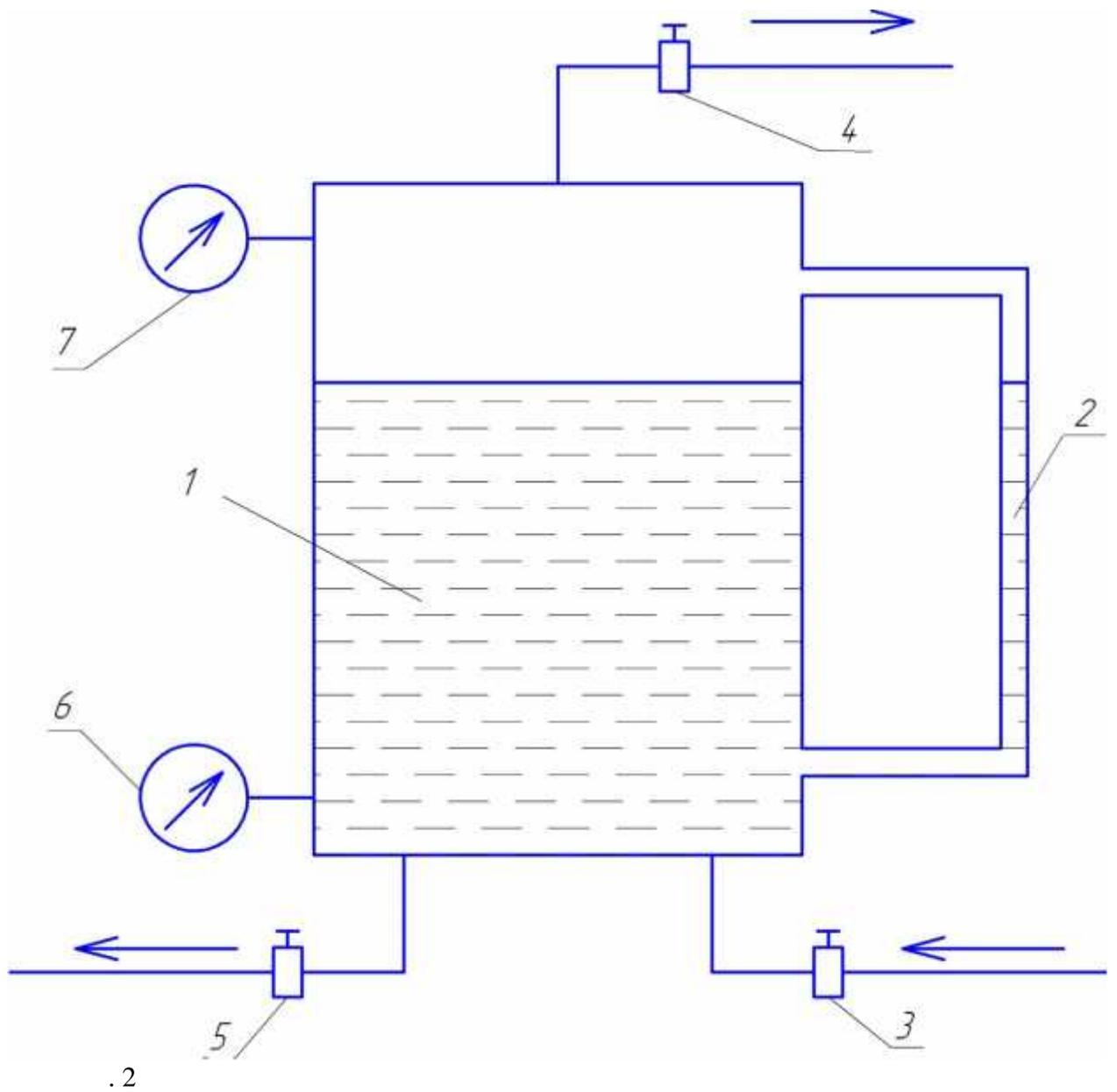
, 4 -

(« »)

. 6, 7 -

1. , 10 3 5 ;
2. ; 4
3. 3 () ; 7





4. (6) ; (7)

5. (7) 0,1 ;

6. 4 5 3 ;

7. 3 () ;

8. 4 5 3 ;

9. 4

5. () ()

: h - ;

- = 1000 / 3 ;

g - , g = 9,81 / 2 ;

1. 1 = 9,81 · 10⁴ ;

2.

()

$$v = \sqrt{2gh} = \sqrt{2 \cdot 9,81 \cdot 0,544} = 1,02 \text{ m/s}$$

3.

4.

$$\varepsilon = \frac{\Delta p}{P_{\text{н.п.}}} \cdot 100\%$$

2 %,

	-	-	1	2	3	4	5	6
			h		0,544	0,544	0,544	0,572
		()	288963(2,95)	279585(2,85)	269775(2,75)	281822(2,87)	271737(2,77)	261927(2,67)
		()	294300(3)	281547(2,87)	272718(2,78)	294300(3)	277623(2,83)	267813(2,73)
-		()	289395(2,946)	282096(2,88)	275112(2,8)	289395(2,946)	277348(2,827)	267538(2,727)
-		()	4905(0,054)	549(0,01)	2394(0,02)	4905(0,054)	275(0,003)	275(0,003)
		%	1,8	0,35	0,72	1,8	1,06	1,1

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1
1.1 12-2, 400 , 5, 1 120 : 10 , 11-2; 10, 508, 510,

1.2

1.3

1.4

« », « », « 1», » « - » « -

2

2.1

« », « 1», », «

2

2.2

10 , 11-2; 12-

2.3

2.4

10 , 11-2; 12-2.

2.5

() « », « 1», - » « 1»,

2.6

400

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400 .

2.8

10, 510, : - 5, 1 120, -

10 , 11-2,

12-2

400 .

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10

48,8

3 / ,

0,92-0,94.

10, 32 , 46, 50 10 12,5 2,6 7,8 .

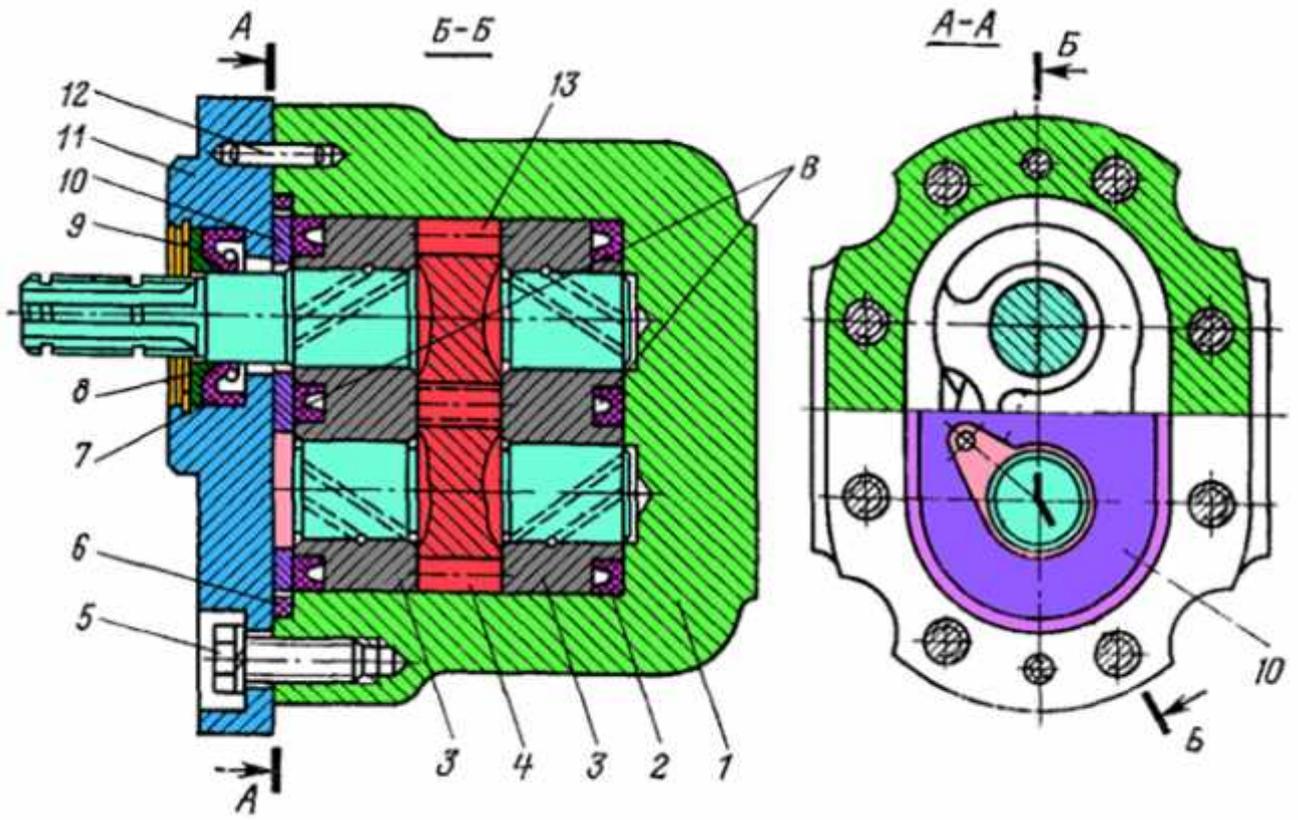
20 , 40 .

- 55 (.

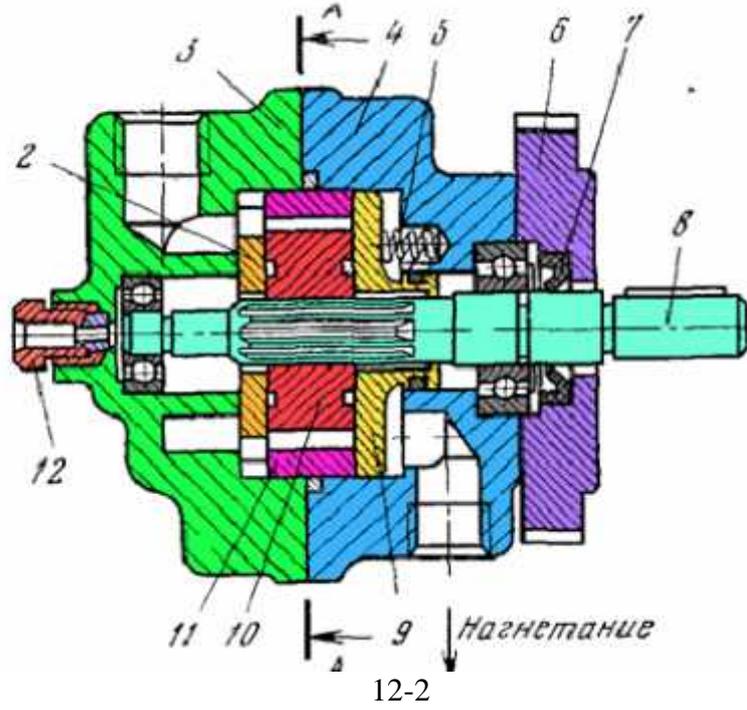
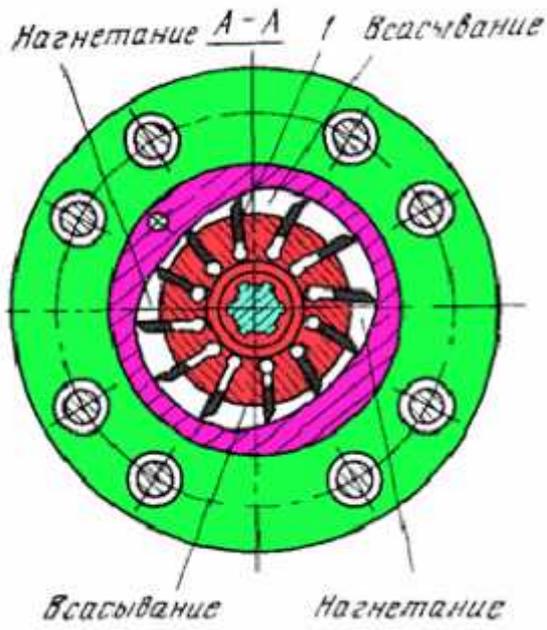
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1.



1 - 10
 4 10 11 5 3 13
 6 7 9 12
 8 10 11 5 3 13
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 10 (1):
 3.2 (.5)
 3.2.1 (.7), (.8),
 3.2.2 (.9)
 3.2.3 (.11).
 3.2.4 (.12).
 3.2.5 (.10).
 3.2.6 (.2).
 3.2.7 (.3).
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 10 -20
 10 ,
 3.3 12-2
 950 / 1440 - 6,3-12,5 ; - 5 - 140 / ;
 ; 1,0 - 21,2 .
 3,5 - 24,4 - 0,6 -



2 -

12-2 4 3 11,
8 10 1,
2 9, 5, (2 -
, 9-).

7, 6.
12. 12-2 (2):
3.4
3.4.1
3.4.2 (.6) (.7).
3.4.3 (.3) (.4).
3.4.4 (.3).
3.4.5 (.2).
3.4.6 (.8).
3.4.7 (.10).
3.4.8 (.9). !

! 12-2 -20 12-2,

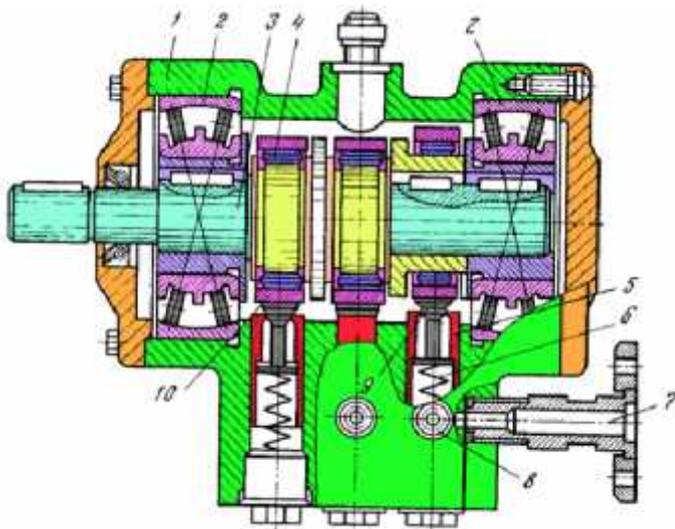
3.5 400 20-32
30 , 40 .
- 400 , 401 , 403.
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13,5
42,9
45,6

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4 10,
5. 9,
6 9
5 ,
8 7.
3.5 400 (1):
3.5.1
3.5.2
3.5.3
3.5.4 (.6), (.5), (.9)

3.5.5 (.3).

400

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3.6
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3.7

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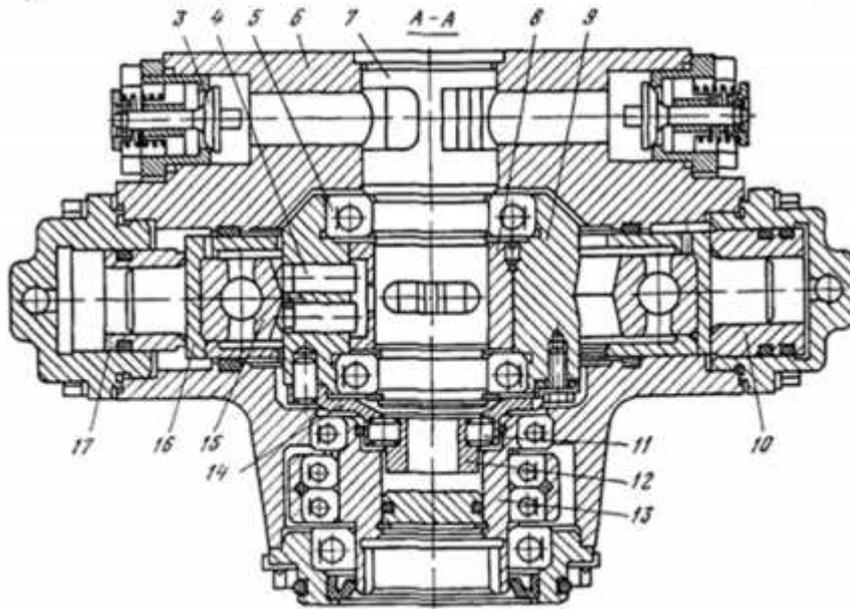
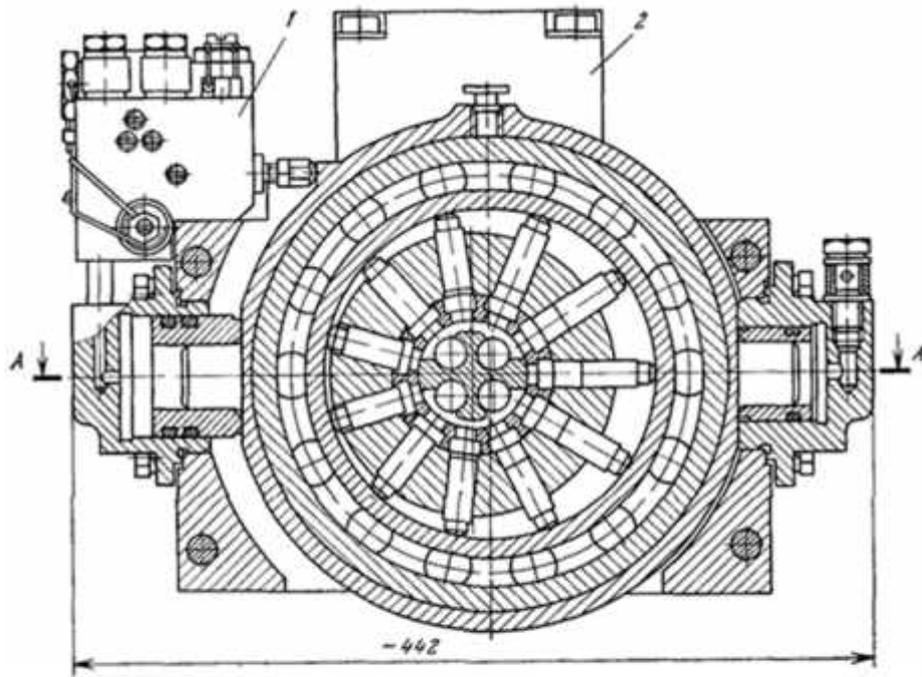
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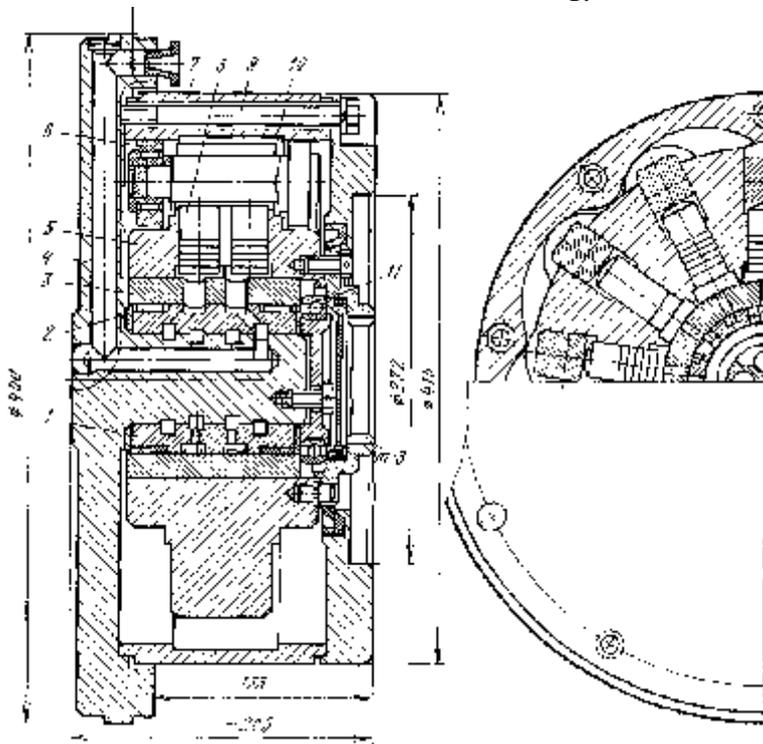
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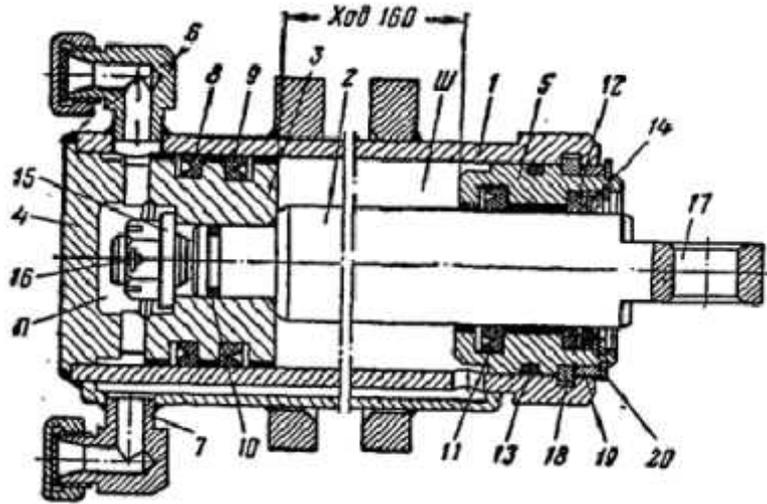
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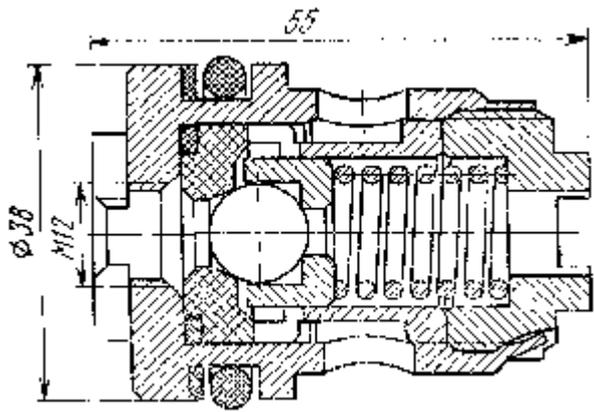
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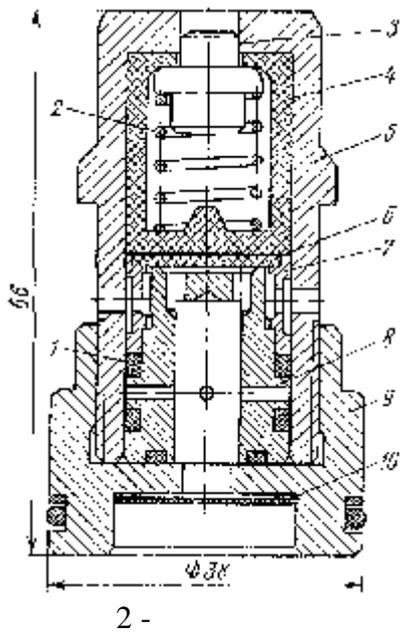
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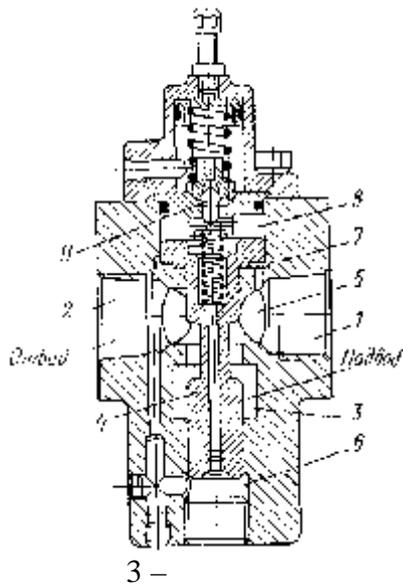
10 2. 10 9
 5, 4
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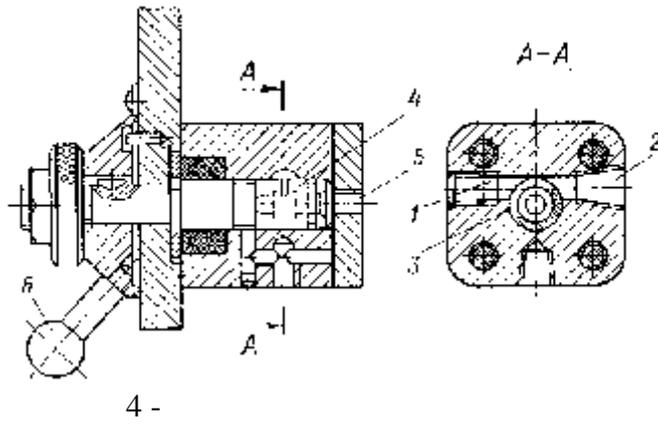


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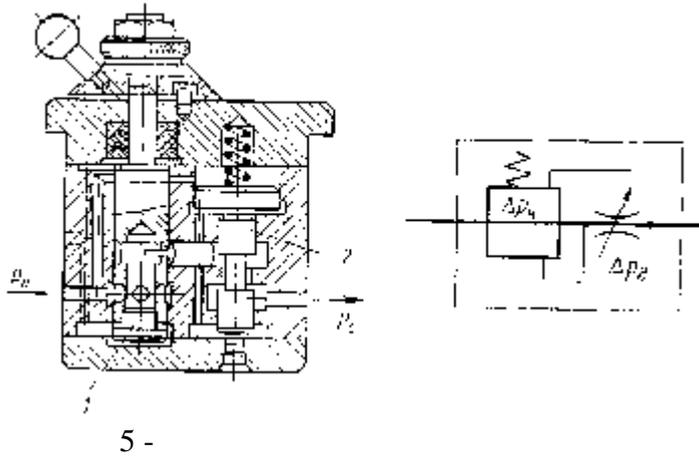
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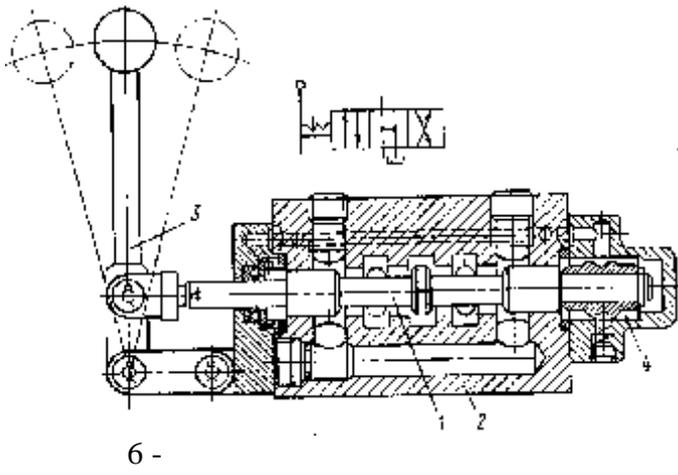
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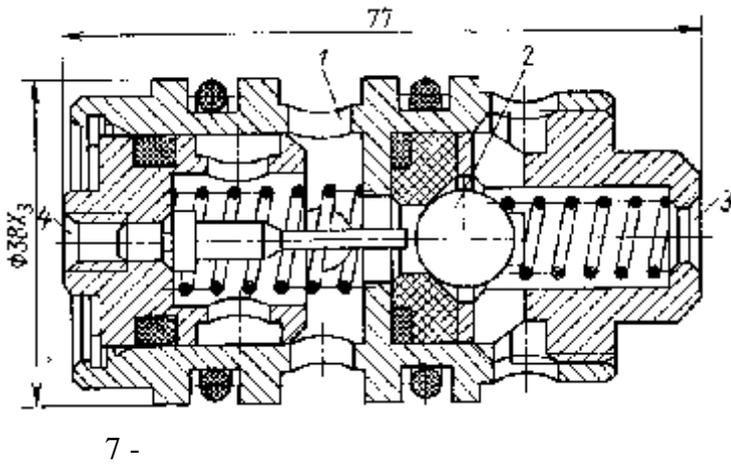
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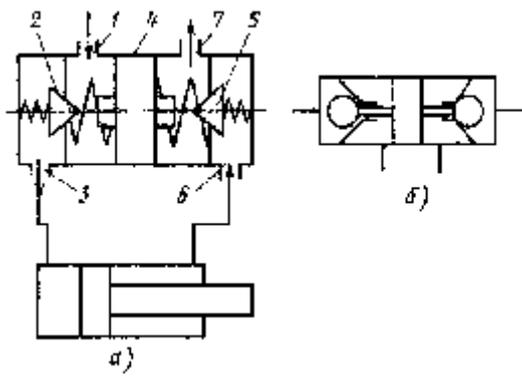
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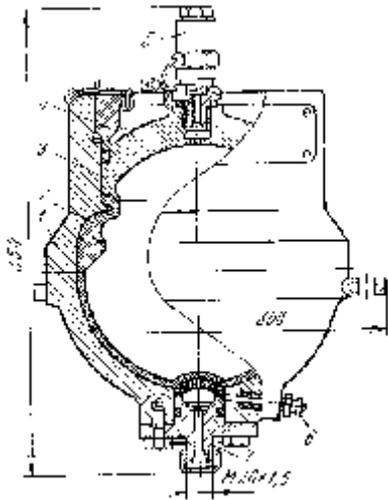
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1. ACADEMA, 2017. ;
2. , 2016 ;
3. , 2018 ;
4. , 2018. ;

