01.01.85

5.5389-79 1, 01.01.1996 . ( ) 12,5 (125 4000 <sup>3</sup>. ). ( 1. 1.1. ( 1) 1.2. . 1 2 2): ); );

1)

(

```
2.
   2.1.
   2.2.
                             / <sup>2</sup>).
          12,5
                      (125
   2.3.
                                                    1.
   2.4.
   2.5.
   2.6.
   2.6.1.
                                               <sup>2</sup>)
1).
                        15
                                  (150
                                                              949.
   2.6.2.
                                                                                                         12,5
     (125
                                                     0,675
   2.6.3.
   (
                                         1)
   2.6.4.
   2.6.5.
                                                 6, 9, 12
                                                              18
                                                          12 18
   (
                                         1)
   2.6.6.
949 10
                    (100
                                                                            2,5-3,0
                                                                                            (25-30
   2.6.7.
                                 1.
   2.6.8.
   (
                                          1)
   2.6.9.
   (
                                         1)
```

```
2.7.
2.7.1.
                                                                                           (
                                                                                                                      )
   2.7.2.
                                                                                                D<sub>y</sub> 10
                                                               5890,
                                                                                                                       D_{y}
10,
   (
                                              1)
   2.7.3.
                                                           ,
5890.
1)
                 .1( .
                                                               2).
   (
                                              1)
   2.7.4.
   (
                                              1)
   2.7.5.
                                                                         ( .
                                                                                                                   1).
   2.7.6.
                                                                                                           1,5
   ),
2.7.7.
                                                                                                        , U -
                                                                                              (
                                                                                                              1)
                                                   2).
     .1( .
   (
                                              1)
   2.7.8.
   (
                                              1)
   2.7.9.
                                                                                                                  D_{\boldsymbol{y}}
   (
                                              1)
   2.8.
   2.8.1.
```

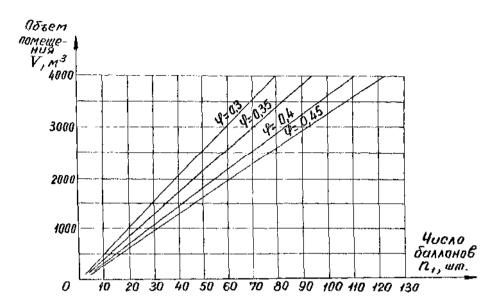
```
5.9586
                                                         5.95027.
                                                                                            5.9241.
                             5.5198.
   (
                               . 1)
   2.8.2.
OCT5.5188.
   2.8.3.
    5.5462.
                                                 5.9089.
   2.8.4.
14613,
                                      481.
   2.8.5.
                            5.95057.
   (
                                     1)
   2.8.6.
   2.8.7.
   (
                                     1)
   2.8.8.
   (
                                     1)
   2.8.9.
                                                                                              1).
   2.8.10.
   2.8.11.
                                                                                                15).
                             1)
                                                                               2 (
                                             . 1
   (
                                     1)
   2.8.12.
   2.8.13
                              1)
   2.8.14.
   (
                                     1)
   2.9.
   2.9.1.
                                                       5.5467,
```

```
(
                                      1)
2.9.1.1
                              1)
2.9.2.
                                                                           . 2.7.2
                                                                                                   );
                              (
2.9.3.
(
                                      1)
2.9.4.
                           -100-0 2,
                                                            2,5
                                                                               25
                                                                                          (250
                                                  ).
(
                                    1)
2.9.5.
                                                                        / <sup>2</sup>) 1,6
                                                                                                   / <sup>2</sup>),
     -100-0 2,
                                    2,5
                                                      6,0
                                                                (60
                                                                                            (16
(
                                      1)
2.9.6.
                                    ).
       3
                                 1)
      4.
4.1.
                                                                         5.95057.
(
                                      1)
4.2.
                                                      5.5462.
4.3.
                                                                 5648.
                                                                                                        1
                                     1.
1.1.
```

```
1.2.
    1.2.1.
                                                                               G,
                                                        G = 1,79V\phi,
                                                                                                                        (1)
                                                                                             ).
                                                                                                                        (2)
         V_1, V_2, V_n -
    \phi_{max} - 1.2.2.
                                                                                                       = 0.675
                                                                                                                     / ( .
2.6.2
                         ).
    1.2.3.
                                                                                G,
                                                          G = k V,
                                                                                                                        (3)
                                 ( . 2.6.1
       V -
    1.2.4.
                                                                                                                        (4)
    1.2.5.
                                                                c
                                                                                                . 2.4
    1.2.6.
                                                                                        (
                                                                                                                        )
                                         d,
                                                                                                                        (5)
        d_0 -
    n<sub>1</sub> -
                                                     n_1
    1.2.7.
                         5.9586
              d_2.
    (
                                               1)
    1.2.8.
                                                                                                                  d_3,
                                                          d_3 = 0.8 d_2.
                                                                                                                        (6)
    1.2.9.
                         5.9586
              d_4.
    (
                                               1)
    1.2.10.
                                                                                 n_2,
                                                                                                                        (7)
         d<sub>5</sub> -
    (
                                               1)
    1.2.11.
                                                                                                                        (8)
        t -
                                                ; t = 40 .
    1.2.12.
                                                   . 1.2.11,
                                                                                                  d_4 \le d_2,
```

```
1.2.13.
                                                                                                                  (9)
                                                                                        P_2
1.2.14.
                     949
1.2.15.
                                                                                                         Q,
                                                                                                                (10)
    V -
t<sub>1</sub> -
1.2.16.
                   5.5143
                                           2.
                                                                            V = 3880^{-3}.
                                                                              0,35,
        - 0.675 /,
2.1.
                                     G=1,79V\phi = 1,79.0,35 = 2430.
                                                                                              949 ( . . 2.6.1
2.2.
                                                                      40-150
                                        G = k V = 0.675.40 = 27
2.3.
                                         n_1 = \frac{G}{G} = \frac{2430}{27} = \frac{1}{27}
2.4.
                                                                                                5
                                                                                                                  18
                                    d_{1(18)} = d_0 \sqrt{n} = 0,01\sqrt{18} = 0,01\sqrt{18}
          2
2.5.
                                         d_{1(90)} = 0.01\sqrt{90} =
                                    5.9586,
2.6.
                                           18 - 45×4 (d_{2(18)} = 0,037 ); 108×8 (d_{2(90)} = 0,092 ).
(
                              , . 1)
2.7.
                                    d_3 = 0.8 d_{2(90)} = 0.8 \cdot 0.092 = 0.074.
2.8.
                  5.9586,
                  89\times6 (d<sub>4</sub> = 0,077 ).
(
                             , . 1)
2.9.
                                   n_2 = \frac{0.8d_4^2}{d_5^2} = \frac{0.8 \cdot 0.077^2}{0.015^2} =
```

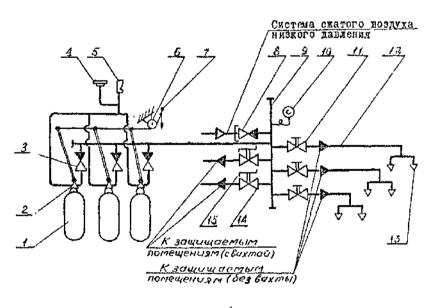
( )



2

!

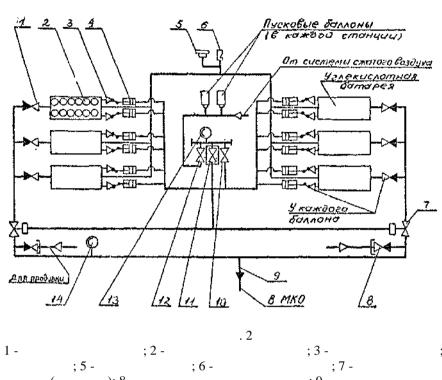
1.



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( ), 3								,		1.5	5,	
			,						-, -			
					-	(	(	)				
	0,3	0,35	0,4	0,45	0,3	0,35	0,4	0,45	0,3	0,35	0,4	0,45
. 150 200	25×4	25×4	32×4	32×4	22×4	22×4	25×4	25×4	1	1	1	1
" 200 " 250	32×4	32×4	32×4	32×4	25×4	25×4	25×4	25×4	1	1	1	1
" 250 " 300	32×4	32×4	32×4	38×4	25×4	25×4	25×4	32×4	1	1	1	2
" 300 " 350	32×4	32×4	38×4	38×4	25×4	25×4	32×4	32×4	1	1	2	2
" 350 " 400	32×4	38×4	38×4	38×4	25×4	32×4	32×4	32×4	1	2	2	2
" 400 " 450	38×4	38×4	38×4	38×4	32×4	32×4	32×4	32×4	2	2	2	2
" 450 " 500	38×4	38×4	38×4	45×4	32×4	32×4	32×4	38×4	2	2	2	3
" 500 " 600	38×4	38×4	45×4	45×4	32×4	32×4	38×4	38×4	2	2	3	3
" 600 " 700	38×4	45×4	45×4	45×4	32×4	38×4	38×4	38×4	2	3	3	3
" 700 " 800	45×4	45×4	45×4	57×5	38×4	38×4	38×4	45×4	3	3	3	5
" 800 " 900	45×4	45×4	57×5	57×5	38×4	38×4	45×4	45×4	3	3	5	5
" 900 " 1000	45×4	57×5	57×5	57×5	38×4	45×4	45×4	45×4	3	5	5	5
" 1000 " 1250	57×5	57×5	57×5	57×5	45×4	45×4	45×4	45×4	5	5	5	5
" 1250 " 1500	57×5	57×5	57×5	76×5	45×4	45×4	45×4	57×5	5	5	5	8
" 1500 " 1750	57×5	76×5	76×5	76×5	45×4	57×5	57×5	57×5	5	8	8	8
" 1750 " 2000	76×5	76×5	76×5	89×5	57×5	57×5	57×5	76×5	8	8	8	16
" 2000 " 2250	76×5	76×5	89×6	89×6	57×5	57×5	76×5	76×5	8	8	16	16
" 2250 " 2500	76×5	89×6	89×6	89×6	57×5	76×5	76×5	76×5	8	16	16	16
" 2500 " 2750	76×5	89×6	89×6	89×6	57×5	76×5	76×5	76×5	8	16	16	16
" 2750 " 3000	89×6	89×6	89×6	108×8	76×5	76×5	76×5	76×5	16	16	16	21
" 3000 " 3250	89×6	89×6	108×8	108×8	76×5	76×5	89×6	89×6	16	16	21	21
" 3250 " 3500	89×6	89×6	108×8	108×8	76×5	76×6	89×6	89×6	16	16	21	21
" 3500 " 3750	89×6	108×8	108×8	108×8	76×5	89×6	89×6	89×6	16	21	21	21
" 3750 " 4000	89×6	108×8	108×8	108×8	76×5	89×6	89×6	89×6	16	21	21	21
(		, .	1)									
1.1										_		
1.1.		0								. 1.		
1.2.		. 9										
1.3.				11 14								
		:		11 14	•							
, 22×4	25×4 ·			15;								
32×4 -	25/11		20;	10,								
38×4	45×4 ·		,	32;								
57×5	76×5			50;								
89×6 -	10/13			50,		50	0.					
077.0						٥,						

1.4.

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; 4 -;9-); 8 -; 10, 11, 12 -; 13, 14 -

3

1. ),

10,

2,5 2.

.425132.001 !" 3.

4.

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481-00		
949-73	2	20
	$(200 / ^2).$	
5648-90	·	
5890-78		
14613-83		
5.5143-73		"
5.5188-75	"	
5.5198-82	•	
5.5462-82	·	
5.5467-80		
5.9089-92	·	
		·
5.9241-81		
5.9586-75		
5.95027-88		
5.95057-90	·	•
.425132.001		