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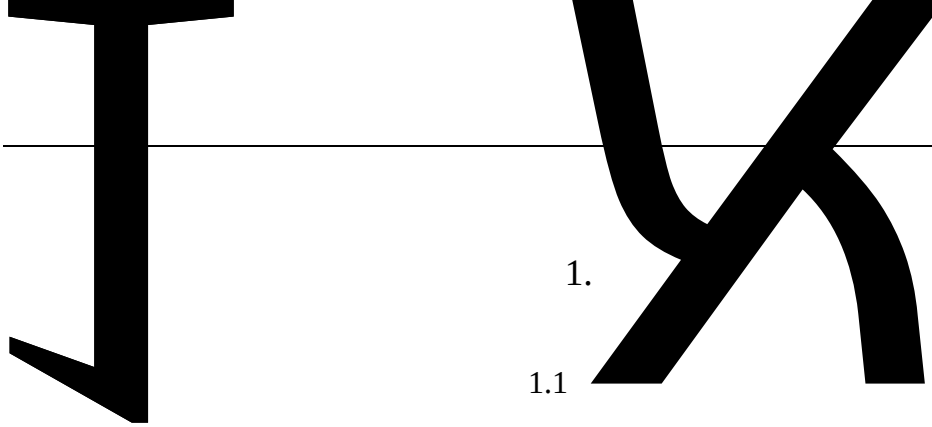

1.

1.1

5 29 80 2015 7 1

9 16

2008 2 1

10 44 2015 5

29 80 2015 7 1

11 55

2015 3 23 79 2015 7 1

12 2 2019 9 1

13 4 2025 9 1

22

2017 121 2017 11 13

23

2019 78 2019 8 12

24

2019 62 2019 12 26

25

2020 1 2020 5 30

26 341 2021 5 18

27

2017 45 2017 12 23

28

2012 144 2012 8 30

29 < >

2017 22 2017 11 28

30

2018 21

2018 8 31

31 < 2015 > “1674 [≤60]

“1674 ”

2022 8 2023 1 1

32 < 2015 >

2022 300 2023 1 1

33

2022 317 2022 12 20

1.2.2.

1	[illegible]	[illegible]
2	[illegible]	GB50016-2014
3	GB50037-2024	
4	[illegible]	[illegible]0-2025
5	GB6944-2025	
6	GB 12268-2025	
7	GB 18218-2018	
8	GB/T 50966-2024	
9	[illegible]	

27 GB/T 35579-2017

28 GB/T 50759-2022

29 AQ -2017

1.2.3.

1 4

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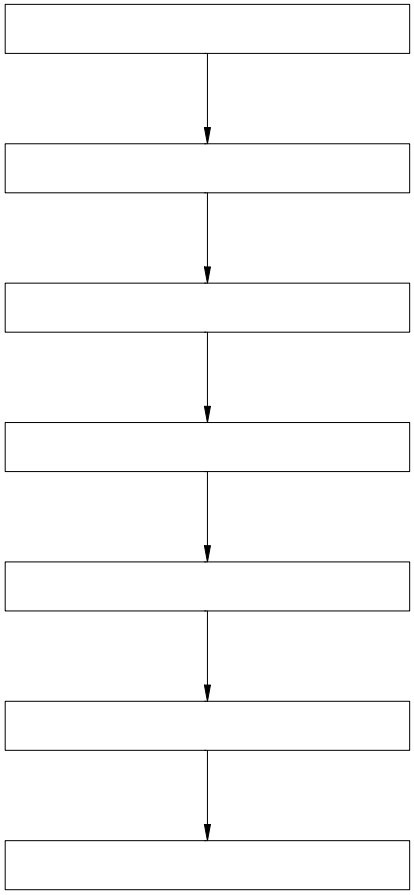


1.4-1

2.

FF 5

1

1

25.2

-12.7

2

69%

78%

61%

3

101.2Kpa

4

755.4mm

5

3.2m/s

23m/s

6

28.3d

7

25.0cm

1.40m

8

7

0.10g

2.3

4767.86m^2

5m

1 10m

4 8

27.4m 28.8m

18m

0.2m 1.2m 0.6m 6 0.5m ō ᵡp

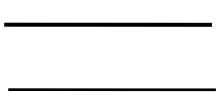
6m 9

5m

ʾB ᵡñ v o

5 m "6m ′ .

2.3-1



2.3-1 m

2.4

2.4-1

2.4-1

1				316m^2		-
2				1289m^2		H=6m
3				276m^2		-

2.4-2

2.4-2

1		3	30m^3	-	FF
2		2	30m^3	-	FF
3		4	SK56QF424K		
4		2	SK52QF222K		
5		1	XFY-VR-M2/8A		-
6		1	UZK-SA-LD		-
7		1	TLS-2		
8		19	-	-	7 12 8 1 3
9		1	20kW		
10		1	-	-	

2.5

11 1

2.6

1

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3

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1.0 1.2

3

10min 2min

2.6-1

2.6-2

2.6-3

2.7

2.7.1

1

19 7

8 4m 1

3m 3 4m

90%

3.

3.1

3.1.1

GB18218-2018

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2

3.1.2

1

2

$$S=q_1/Q_1+q_2/Q_2\ldots\ldots+q_n/Q_n\geq 1$$

S——

q_1 q_2… q_n—— t

Q_1 Q_2… Q_n—— t

3

3.1.3

#â 23 ≤ 60 3.1-1

3.1-1

1		200t
2		5000t

90m^3 0.75 67.5t

60m^3 0.82 49l2tl

S=67.5/200+49.2/

PC-TWA 300mg/m^3

1

2

3

4

1.5

5

1 30

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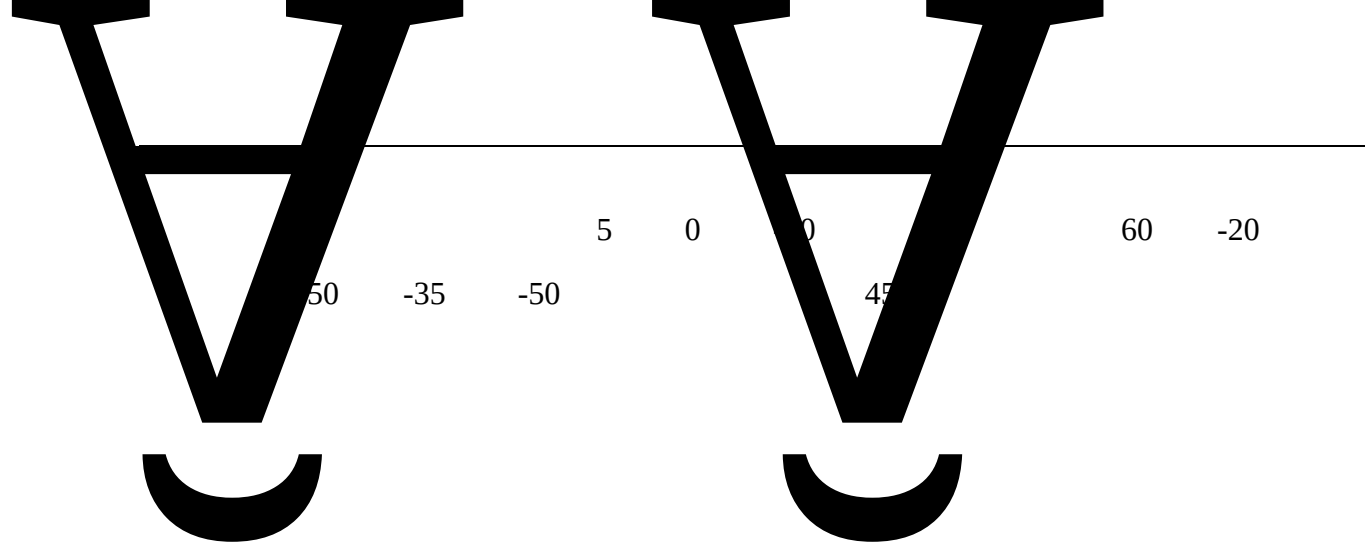

5 0 0 60 -20

50 -35 -50 45

3.2.2

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3.3

3.3-1

3.3-1

1			
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3.3.1

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70m

6 46

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5-2

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	16		
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	18		
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	3		
	1		
	1		
	2 GB/T29639-2020		
	3		
	1		
	2		
	3		

2025 7 9

5-3

4.0.12

5

GB50156-2021

4.0.13

1

GB50156-2021

5.0.1

2

4m

6m 18m

9m

GB50156-2021 8%

5.0.2

8%

3

GB50156-2021

5.0.3

4 “

” “ ” GB50156-2021

		5.0.13	2.3-2	
	13 5.0.13-1 5.0.11 A	GB50156-2021 5.0.15		
	14 C	GB50156-2021 5.0.16		

2

5-4

	1	GB 50156-2021 6.1.1		
	2	GB 50156-2021 6.1.2		
	3	GB 50156-2021 6.1.3	FF	
	4 1 AQ3020 6.1.4 0.08MPa	GB 50156-2021 6.1.4	FF	

5

FF

GB50156-2021

6.1.5

SH/T3177

6

FF

GB 50156-2021

GB/T 51344

6.1.6

7

$10^9\Omega$

$10^9\Omega$

FF

GB 50156-2021

6.1.7

6.1.7

$A=0.04V_t$ 6.1.7

A——

m^2

Vt—— m^3

8

GB

50156-2021

11.2

11

GB 50156-2021
6.1.11

12

0.5m

0.9m

GB 50156-2021 0.9m
0.3m
6.1.12

13

GB 50156-2021
6.1.13

14

GB 50156-2021
6.1.14

15

90%

95%

GB 50156-2021
6.1.15

16

GB 50156-2021
6.1.16

17

SH 3022

	1	GB 50156-2021 6.2.1		
	2 50L/min	GB 50156-2021 6.2.2	5-50L/min	
	3	GB 50156-2021 6.2.3		
	4	GB 50156-2021 6.2.4		
	5	GB 50156-2021 6.2.5		
	6 “ ”	GB 50156-2021 6.6.1		
	7	GB 50156-2021 6.6.2		
	8 6.2 1 2 3 4 5	GB 50156-2021 6.6.4		
	9			

	6	GB 50156-2021 6.3.6		
	7 1 50mm 1.0 1.2 25mm	GB 50156-2021 6.3.7	50mm 25mm	
	8 50mm 100mm 45° T 150mm 200mm 200mm	GB 50156-2021 6.3.8	100mm 45° 150mm	

9

4m

GB 50156-2021 6.3.9 4m 2m

6.5.1

22

GB 50156-2021

6.5.4

23

6.3

5mm

	2 2 1 35kg 15m 5 2m³ 2 2m³		2m³	
	2 GB50140	GB50156-2021 12.1.2	5kg 4 2kg 6 5kg 2	
	1 0.25m 0.25m	GB50156-2021 12.3.2		
	2	GB50156-2021 12.3.3		
	1	AQ3010-2022 4.4		
	2	AQ3010-2022 4.4		
	3	AQ3010-2022		

		4.5		
	GB/T50493			
	4 ，	XF/T 3004-2020 8.1		
	5	XF/T 3004-2020 8.2		

5-6

	1	GB50156-2021 13.1.1		
	2 380/220V	GB50156-2021 13.1.2		
	3 90min	GB50156-2021 13.1.3	90min	
	4 4.5m 5m 4.5m 3m	GB50156-2021 13.1.4		

	5	GB50156-2021 13.1.5		
	6 LPG LNG CNG	GB50156-2021 13.1.6		
	7 GB50058	GB50156-2021 13.1.7		
	8 IP44	GB50156-2021 13.1.8	IP44	
	1 2	GB50156-2021 13.2.1	FF	
	2 4Ω	GB50156-2021 13.2.2		
	3 LPG	GB50156-2021 13.2.4		
	4	GB50156-2021 13.2.6		

0.5mm

0.65mm

0.7mm

5

	13 100Ω	GB50156-2021 13.2.15		
	14 1	GB50156-2021 13.2.16	1	
	1	6.1.2.1		
	2	6.1.2.2.1		
	3	6.1.2.2.2		
	1	6.1.1.1		
	2 UPS 2h	6.1.1.2	UPS 2h	
	3 GB 50348 2018 3.9	6.1.1.3		

1

300cm^2/m^2

2

3

GB50156-2021

14.1.5

1

5				
6				
7				
8	(			
9				
10				
11				
12				
13			2.3-2	
14				
15				
16				

17				
18				
19				
20			90m^3 60m^3	
21		1	2025 7 9	
22		2		
23		3		
24		4		

10

5-9

	5	5	0	0
	32	32	0	0
	23	22	0	1
	51	47	0	4
	8	8	0	0
	31	29	0	2
	17	11	0	6
20	24	14	0	10
	191	168	0	23

5-9

191 23 168

1		5kg		12
				6
2		35kg		2
				$2m^3$
				2
3		2kg		6
		5kg		4
4		5kg		2

6.

1

6

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[2018]74

12

7.

GB50156-2021

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GB50058-2014

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2 1

3 2

2. 1

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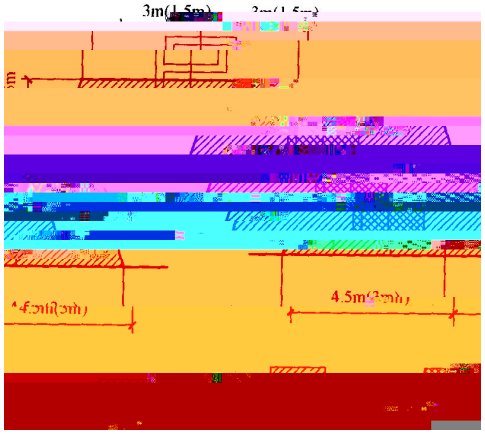
1 1

2 4.5m

0.15m 3m 2



1

4. 2

1 0

2 1.5m 0.5m

1

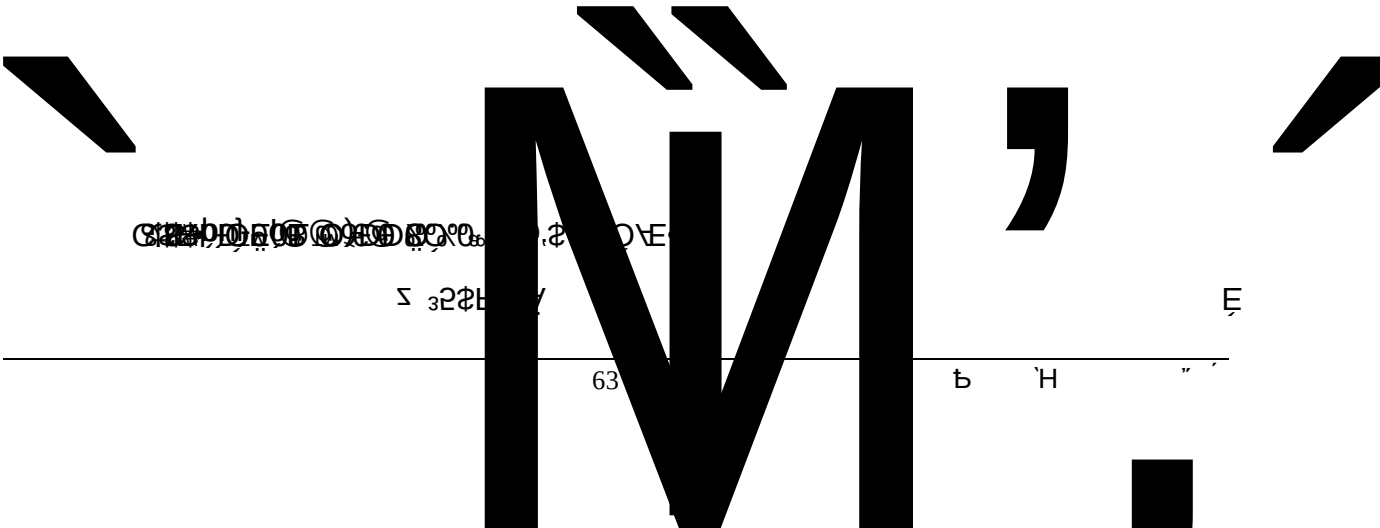
3 3m

1.5m 2

2

5. 3

1



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