

ND

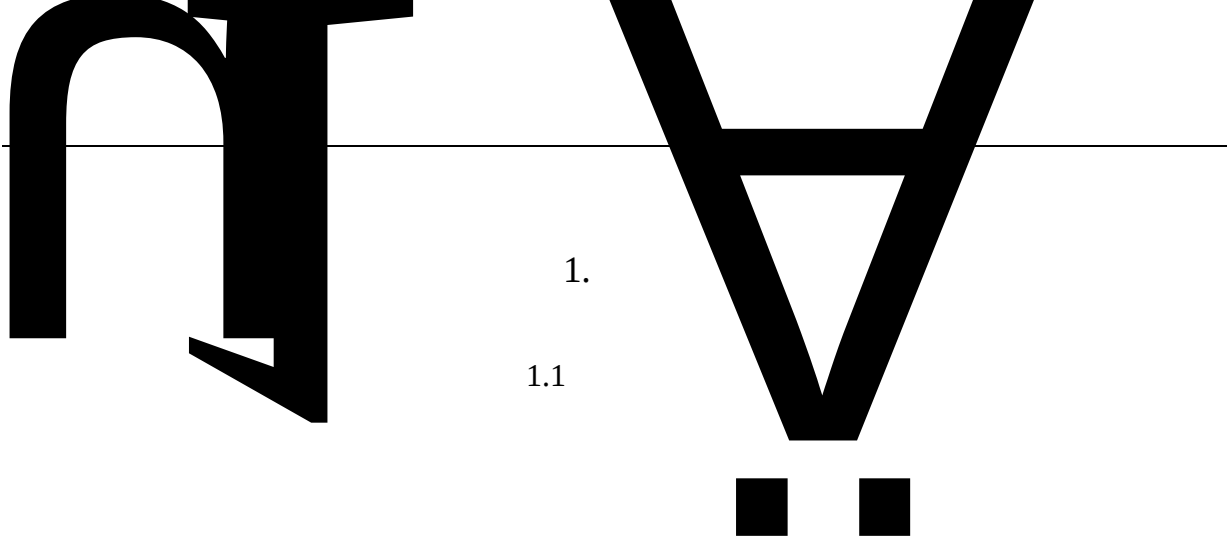
g
s

20

1674

W

1.	.....	1
1.1	.....	1
1.2	.....	1
1.3	.....	1
1.4	.....	5
2.	.....	7
2.1	.....	7
2.2	.....	7
2.3	.....	8
2.4	.....	15
2.5	.....	15
2.6		16
2.7		17
3.		21
3.1		21
3.2		22
3.3		27
4.		32
4.1		32
4.2		32
5.		33
6.		60
7.		63
		63
		63



1.

1.1



1.2

1.2.1.

1	2021	9	1
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2	2021	4	29
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3	591	2013	12	7	Å
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645

4	Σ
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10 2019 9 1

11 2015 5 29 80 2015 7 1

12 44 2015 5 29 80 2015 7 1

13 55 2015 3 23 79 2015 7 1

14 [2016]8 2016 2 5

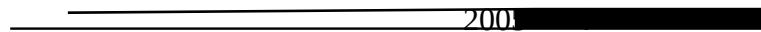
15 2015 2023 1 1

16 2015 [2015]8

22

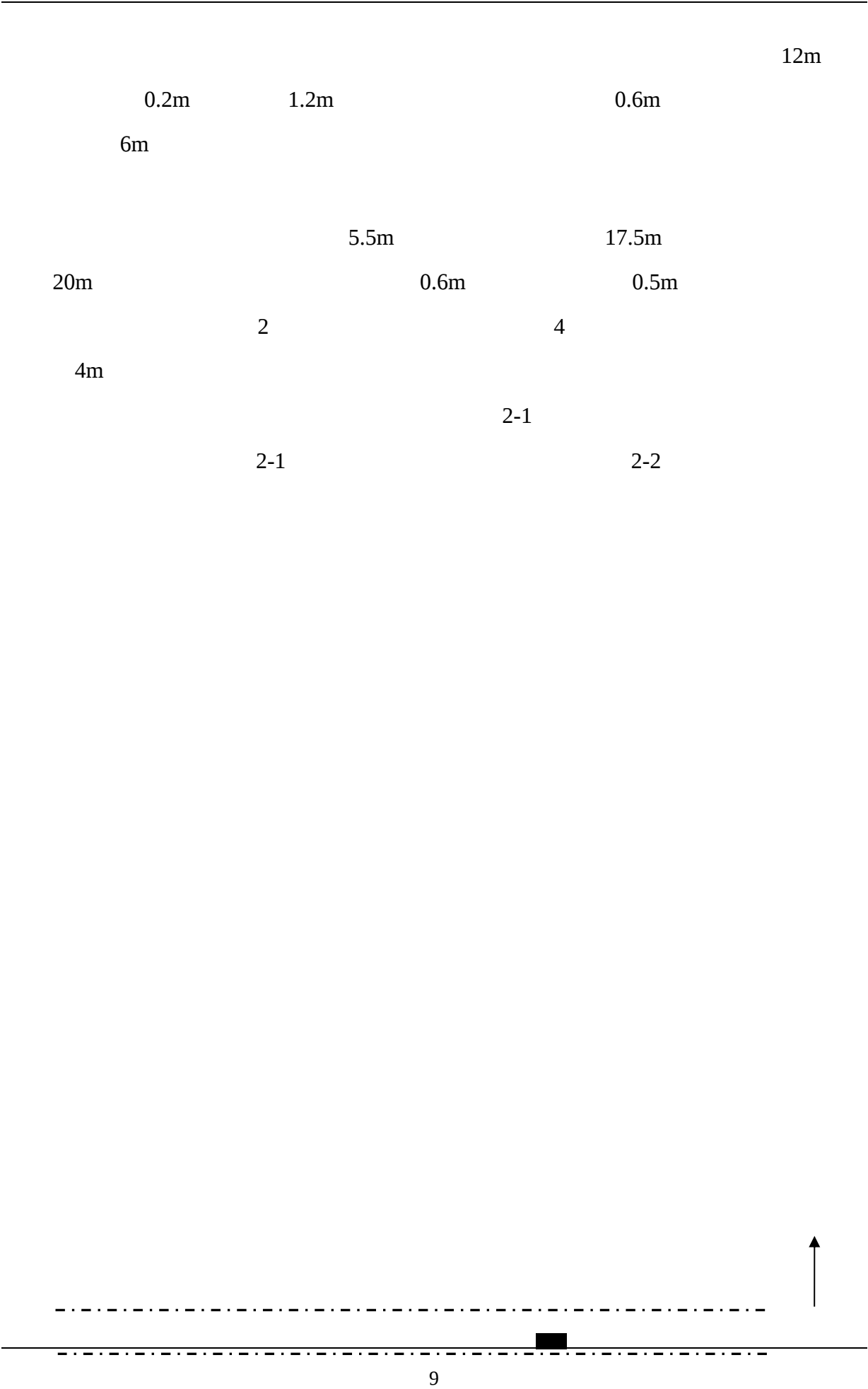
2020

1.2.2.



2002

	7	76%
	1	45%
3		101.2kPa
		103.9kPa
		96.9kPa
4		540~640mm
		694.0mm
		242.8mm
		174.9mm
5		250.0mm
6		3.8m/s
		23m/s
7		28.8d
		44d
8		6
		1.4m
	2.3	2.2m
		5.5m 17.5m
	33m	





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|

				9	45
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0.5	0.87	0.5	0.87	-	-	-	-	-	-	-	-	-	-
0.5	0.87	0.5	0.87	-	-	-	-	-	-	-	-	-	-
-	-	-	-	-	-	-	-	-	-	-	-	3	7
-	-	-											

2.4

2-3

1			205m ²			
2			276m ²			H=6m
3			40m ²			

2-4

1	2	30m ³	-	SF
2	2	30m ³	-	SF
3	2	SK560F424K1		
4	2	SK560F424K1		
5	1	TSP-LL2-113	-	
6	1	WT-LLD		
7	16			

2.6

1.0 1.2

+150Pa)

150Pa

2-2

2-3

2-4

2-5

2-6

|

7

2.7

2.7.1

1

91210111555330580X

2023 07 18

2

[2022]000047

2022 01 17

3

(1062017024)[2024]02316

2025 03 05

4

2.7.2

1

2

a. 5

b.

c.

3

4

3.

3.1

3.1.1

|

GB18218-

2018

1

2

3.1.2

1

2

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

S——

q₁ q₂... q_n——

t

=1 3 4 -46 1.4 7.6% 415 530
0.813MPa

,

,

:

PC-TWA()(mg/m³) 300

:

:

1

2

3

4

1.5

5

1

30

2

3

1000m³

1

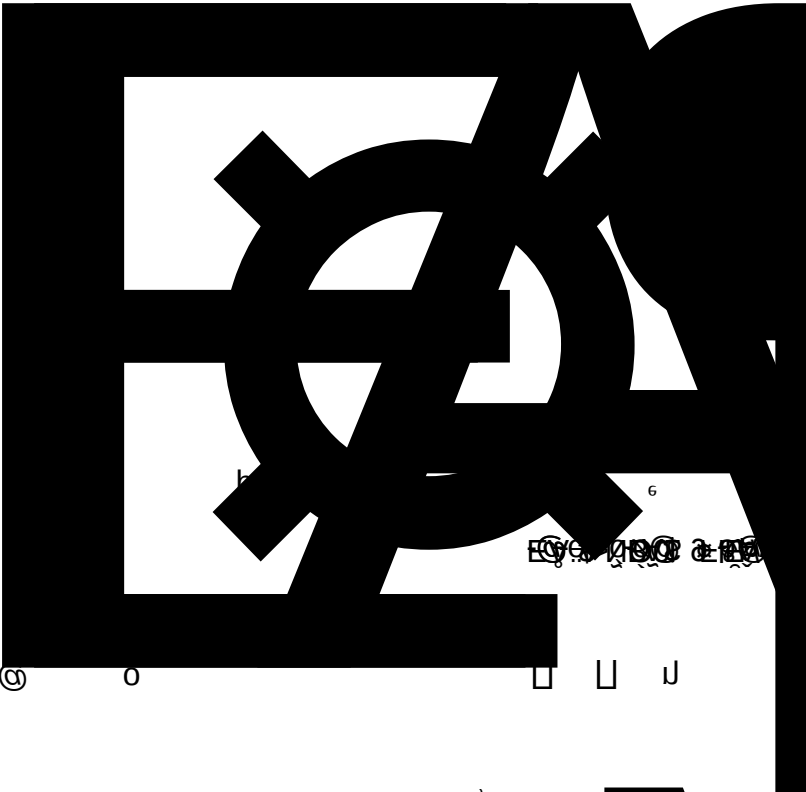
È , ñ "



□ m " m □ d

È

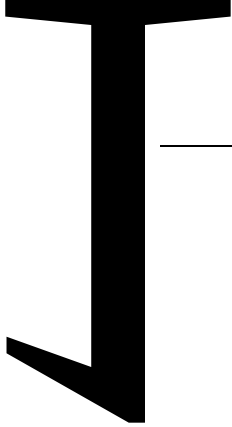
ε



À# E.ß" (# \$ QÆE' @ + OQ\$ UΓ @ 0 □ □ U

„@ È

Й



15min

5 0 -10 60 -20
50 -35 -50 45

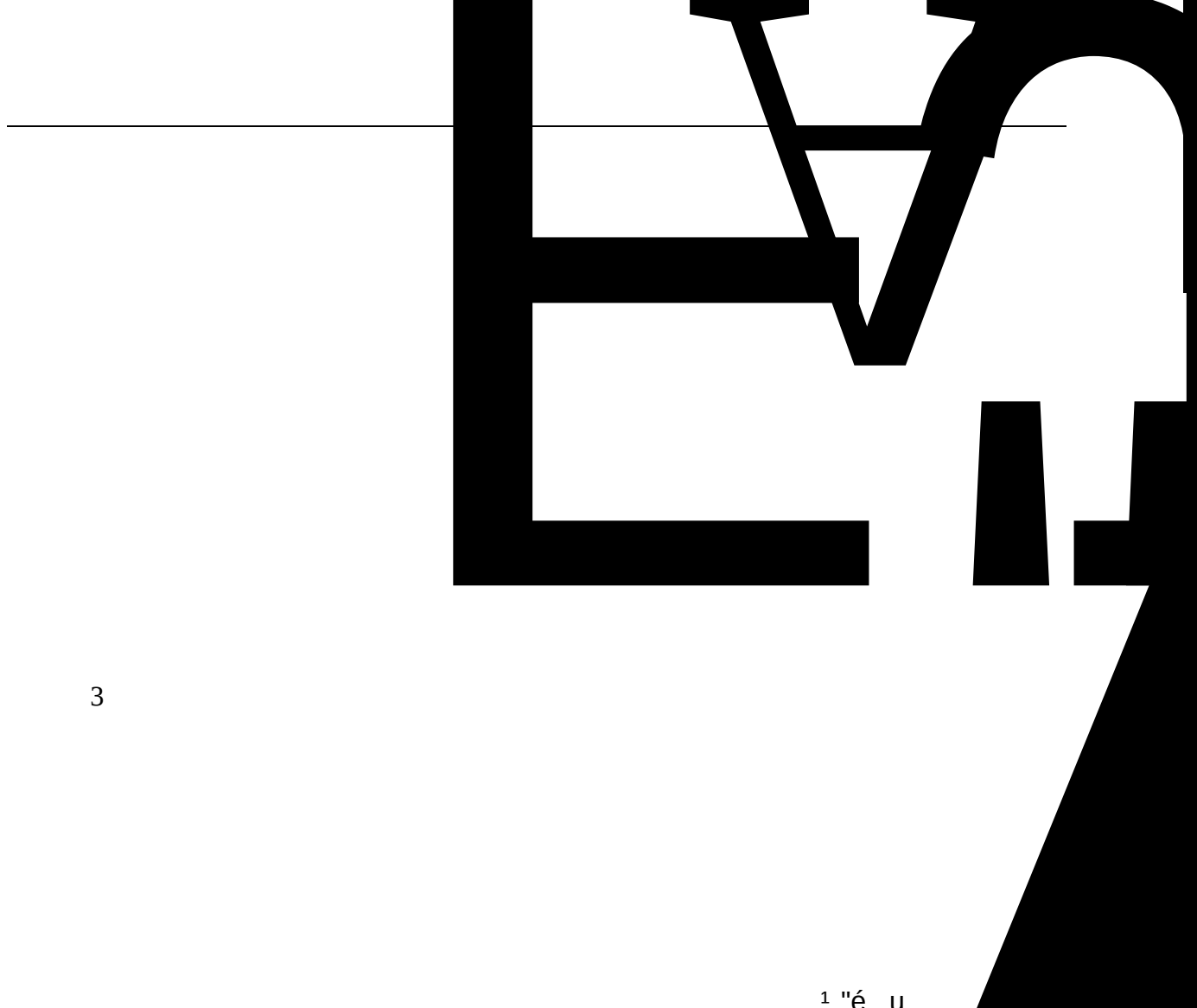
15min

10

3.2.2

1

2



3

1 "é u

$$\hat{e} \hat{1} \cdot \ddot{A} + a$$

4

Lb-ŒŒLb E- @'éE#q4378® » !

3.3.5

3.3.6

3.3.7

1

2

4.

4.1

5.

7

5-1

6
7
8
9
10
11

12
13
14
15
16
17
18

1
2
3

1

1

2

GB/T29639-2020

3

1

2

1

GB50156-2021
3.0.4

2

GB50156 3.0.9

GB50156-2021
3.0.9 30m³

3

GB50156-2021
3.0.25

4.0.4

4.0.4

4

6

GB50156-2021
5.0.8

7

300m²

GB50156-2021
5.0.9

8

1

4.0.4

GB50156-2021
5.0.10

33m
4.0.4

“ ” “ ” “ ”

9

GB50156-2021
5.0.11

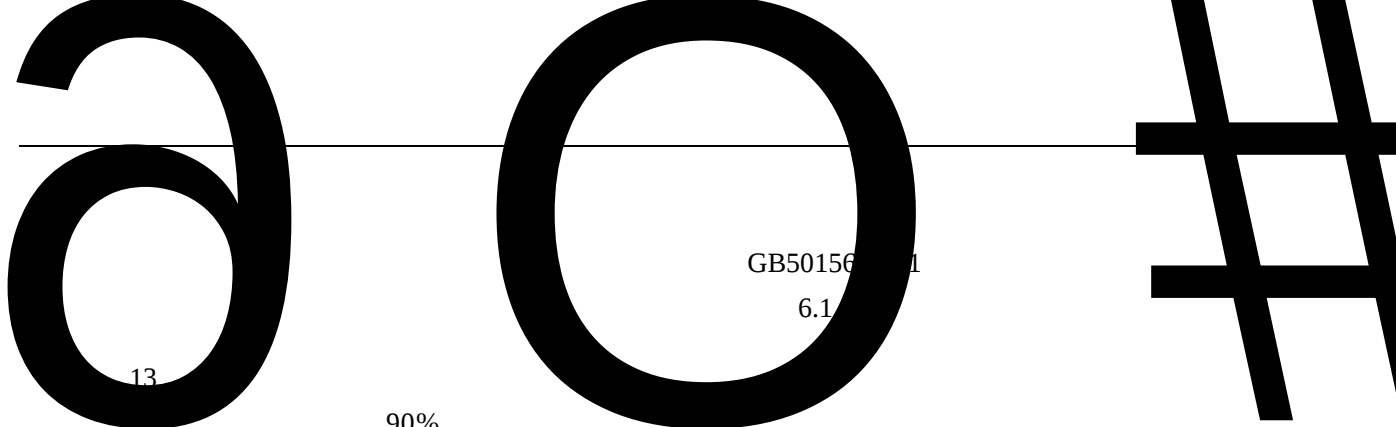
		GB50156-2021 5.0.16		
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1

GB50156-2021
6.1.1

2

	A=0.04Vt			
	6.	11.2	GB50156-2021 6.1.8	SF
	7		GB50156-2021 6.1.9	SF
	8	4mm 80mm	GB50156-2021 6.1.10	SF
	9		GB50156-2021 6.1.11	
	10	0.5m 0.9m 0.3m	GB50156-2021 6.1.12	0.6m 0.5m
	11		GB50156-2021 6.1.13	
	12			



13 GB50156-2021 6.1

90%

95%

GB50156-2021
6.1.15

14

GB50156-2021
6.1.16

0.8L/h

15

SF

SH 3022 GB50156-2021
6.1.17

1

GB50156-2021
6.2.1

2

50L/min

GB50156-2021
6.2.2

5-50L/min

3

GB50156-2021
6.2.3

4

GB50156-2021 GB50156-2021J q
6.2.4

5

1

GB50156-2021
6.3.1

2

GB50156-2021
6.3.2

3

GB50156-2021
6.3.3

4

"- •%110B • k

6.3.5

6

GB50156-2021
6.3.6

7

50mm

5 2 W W

GB50156-2021
6.3.7

1.0 1.2 ×

1.0 1.2 ×

G

25mm

W 6

— 中国石化集团

	200mm		150mm	
	200mm			
	9			
	4m	GB50156-2021		
	2m	6.3.9	4m	
	10			
	50mm	GB50156-2021	50mm	
		6.3.10		
	11			
	2KPa~3KPa	GB50156-2021		
	1.5KPa~2KPa	6.3.11		
	12			
	GB/T8163			
	4mm		4mm	
	4mm	GB50156-2021		
		6.3.12		
	$10^{10}\Omega$		$10^8\Omega\cdot m$	
	$10^8\Omega\cdot m$			

$10^{10}\Omega$

GB50156-2021
6.3.13

GB50156-2021
6.3.14

GB50156-2021
6.3.15

2‰

1%

0.5m

0.4m

100mm

GB50156-2021
6.3.17

0.2m

0.5m

GB50156-2021
6.3.18

6.3.12

19

GB/T21447

GB50156-2021

6.3.20

20

SF

GB50156-2021

6.5.1

21

GB50108

				AQ3010-2022 4.4		
2				AQ3010-2022 4.4		
3	“	”	3	XF/T 3004-2020 8.4		
4	”	“	”	XF/T 3004-2020 8.4	0	

	4	4.5m 4.5m 3m	5m	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	2	
	2		4Ω	GB50156-2021 13.2.2		
	3	LPG		GB50156-2021 13.2.4		

	10	5	GB50156-2021 13.2.12		
	11		GB50156-2021 13.2.13		
	12		GB50156-2021 13.2.14		
	13 100Ω		GB50156-2021 13.2.15		
	14	1	GB50156-2021 13.2.16	1	
	1		5.0.1		
	2		5.0.5		

3

5.0.8

1



5015
13.5.1

2

4.5m

2m

7

B

B

GB50156-2021

GB50016

14.2.11

8

9

10

11

đ lJ

	16			
	17			
	18			
	19			
	20			

	5	5	0	0
	33	33	0	0
	21	19	0	2
	45	40	0	5
	8	8	0	0
	28	27	0	1

	16	11	0	5
	20	11	0	9
	176	154	0	22

5-9

176

22

154

1

1		5kg	4	8
2		35kg	1	2
			2m ³	2m ³
			2	4
3		5kg	-	6
		2kg CO ₂	-	4
4		5kg	-	2

6.

$$\leq t$$

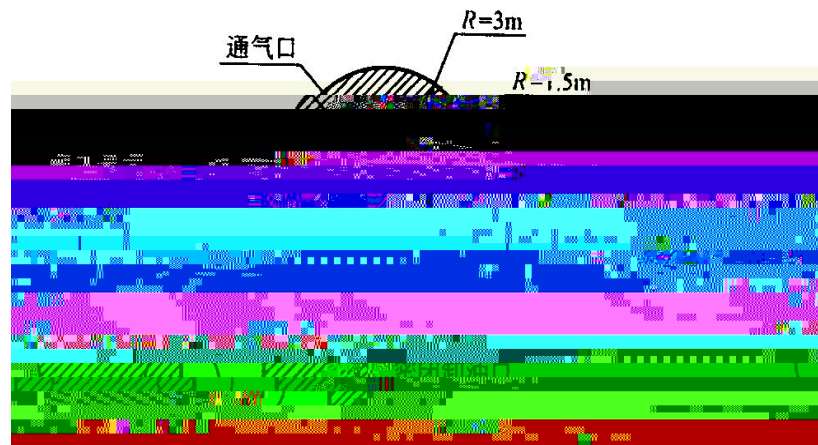
7.

GB50156-2021

3
1.5m

3m

2



5.

3

1

0

2

1.5m 0.75m

0.5m

1

3

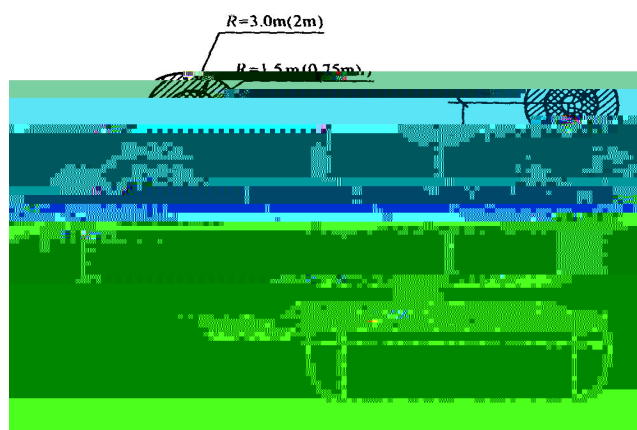
1.5m

1m

3m 2m

1.5m

2



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