

#S

L "A
#S (Cé }

1.1	.....	1
1.2	.....	1
1.3	.....	1
1.4	.....	5
2.1	.....	7
2.2	.....	7
2.3	.....	7
2.4	.....	13
2.5	.....	13
2.6	.....	14
2.7	.....	15
3.1	.....	18
3.2	.....	19
3.3	.....	23
4.1	.....	29
4.2	.....	29

DEWEG

1.
1.1

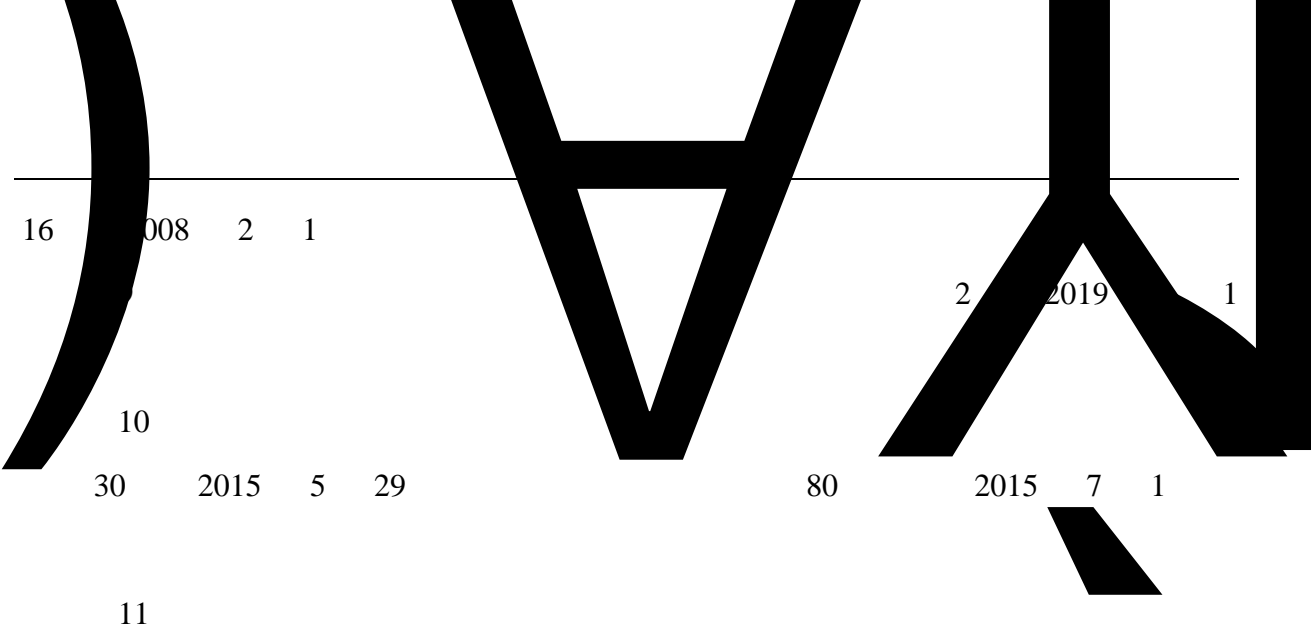
(

1.2.1.

Y

1.2

1	2021	9	1
2	2021	4	29
3	591	2013	42 0 m\$
645			
4			



- 1 GB 15763-2021
- 2 GB 12268-2025
- 3 GB 12268-2025
- 4 GB 18218-2018
- 5 GB 17914-2013
- 6 GB 55036-2022)
- 7 GB 50058-2014
- 8 AQ 3009-2007
- 9 GB 6441-1986
- 10 GB/T 13861-2022
- 11 GB 50016-2014 2018
- 12 GB 50140-2005
- 13 GB 55037-2022
- 14 GB 50057-2010
- 15 GB 12158-2024
- 16 GB/T 50610-2010
- 17 GB 20952-2020
- 18 GB 50395-2007

GB

GB 15763-2021

∇

28 GB/T 13869-2017

29 AQ 8001-2007

1.2.3.

1 2005 4

2 2002

11

3 2003 7

1.3

1

2

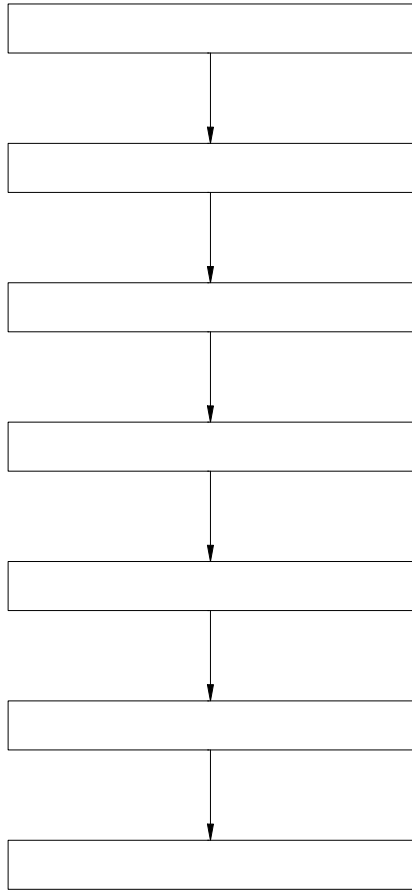
3

4

5

1.4

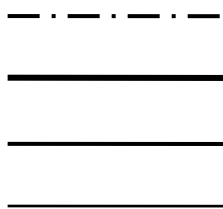
1-1



1.4-1

2.

1760m

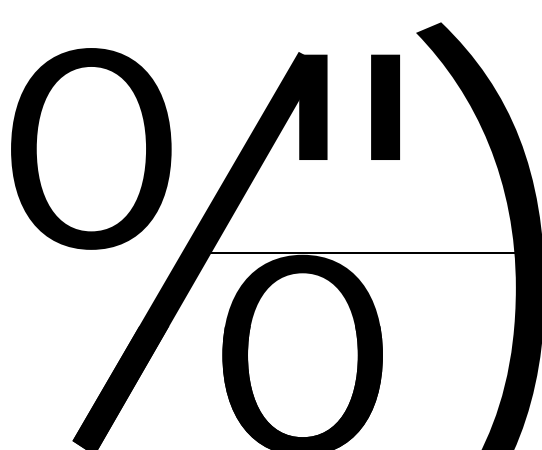


2.3-1

2.3-1

m

		8.5	48
1	H=6m	5	7.9
		11	12.7
		11	16.3
2	H=5m	5	25.8
		5.5	32.4
		7	51.6
1	H=6m	5	6.7
		10.5	11.5
		10.5	20.4
2	H=5m	5	27
		5	33.6
		7	41.2
1	H=6m	5	20.5
		10.5	25.3
		10.5	23.8
2	H=5m		



	2 H				2
					3
				6	4
	1 H				3
	2 H				6
					1

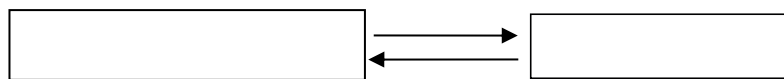
2-2

m

	0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
	0.5	0.5	0.5	0.5	-	-	-	-	-	-	-	-	-	-
	-	-	-	-	-	-	-	-	-	-	-	-	3	3
	-	-	-	-	-	-	-	-	-	-	-	-	2	2.4
	4	20.3	3	25.7	4	24.7	3.5	25.3	5	20.6	4	34.9	5	28
	2	6.3	2	6.3	2	5.1	2	5.1	-	-	-	-	-	-

2.6

1.0 1.2
2.6-1 2.6-2 2.6-3 2.6-4



2.6-1



2.6-2

4

4m 3

10

3

90%

Q₁ Q₂... Q_n

t

3

3.1.3

3.1-1

3.1-1

1		200t
2		5000t

90m³

0.75

67.5t

60m³

0.89

53.4t

$$S=67.5/200+53.4/5000=0.34818<1$$

3.2

3.2.1

2*

1B

2

1

-

2

-

2

1630

E10

92

95 98 3

=1 0.72 0.775

=1 3

4 -46

1.4 7.6%

415 530

1

30

2

3

1000m³

15min

50m

300m

15min

3.3-1

1			
2			
3			
4			
5			
6			

3.3.1

1

70m

6

46

2

1987 2 4

1986 5 2

3

4

2

3

3.3.3

3.3.4

3.3.5

3.3.6

3.3.7

1

2

4.

4.1

8

1

2

3

4

5

6

7

8

4.2

5.

8

5-1

5-1

	1		
	2		
	3		
	4		
	5		

5-2

	1		
	2		
	3		
	1		
	2		
	3		
	4		
	5		
	6		
	7		

8
9
10
11

5-3

1

			4.0.4	
	4		GB50156-2021 4.0.12	
	5		GB50156-2021 4.0.13	
	1		GB50156-2021 5.0.1	
	2	6m 4m 8%	GB50156-2021 5.0.2	12m 8%
	3		GB50156-2021 5.0.3	
	4	“ ” “ ”	GB50156-2021 5.0.5	
	5	3m	GB50156-2021 5.0.6	

	4.0.4			
12	GB50156 5.0.13-1	GB50156-2021 5.0.13		
13	C	GB50156-2021 5.0.16		

5-4

1		GB50156-2021 6.1.1		
2		GB50156-2021 6.1.2		
3	6.1.4 0.08MPa	GB50156-2021 6.1.4	FF	
4	SH/T3177	GB50156-2021 6.1.5	FF	SH/T3177

5

10^9
 10^9

FF

GB50156-2021
6.1.7

$A=0.04Vt$

6.

11.2

GB50156-2021
6.1.8

FF

7

GB50156-2021
6.1.9

8

4mm
80mm

FF

GB50156-2021
6.1.10

9

GB50156-2021
6.1.11

10

0.5m
0.9m
0.3m

GB50156-2021
6.1.12

	11		GB50156-2021 6.1.13	
	12		GB50156-2021 6.1.14	
	13	90% 95%	GB50156-2021 6.1.15	
	14		GB50156-2021 6.1.16	
	0.8L/h			
	15	SH 3022	GB50156-2021 6.1.17	FF
	1		GB50156-2021 6.2.1	
	2	50L/min	GB50156-2021 6.2.2	5-50L/min
	3		GB50156-2021 6.2.3	

50mm 100mm
45° T

150mm 200mm

200mm

	$10^8 \cdot m$			$10^8 \cdot m$
10^{10}		100kV		10^{10}
13			GB50156-2021 6.3.13	
14			GB50156-2021 6.3.14	
15			GB50156-2021 6.3.15	
2‰				2‰
1%				1%
16				0.5m
0.4m			GB50156-2021 6.3.17	
0.2m		100mm		
				0.2m
				0.5m
17				

6.3.18

18

6.3.12

1

2.8m/s

2

GB50156-2021

6.3.19

19

f

GB/T21447

GB50156-2021

6.3.20

2/ / = m\$

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	10mm 30mm			
23		GB 50156-2021 6.5.4		
24	5mm 6.3 5%	GB50156-2021 6.5.5		
25	3.5mm	GB50156-2021 6.5.6	3.5mm	

	<p>1</p> <p>2</p> <p>1 5kg</p> <p>2 5kg</p> <p>1</p> <p>6L</p> <p>2 2</p> <p>1 35kg</p> <p>15m</p> <p>5</p> <p>2m³</p> <p>2 2m³</p>	<p>GB50156-2021</p> <p>12.1.1</p>	<p>8kg</p> <p>4</p> <p>7</p> <p>8kg</p> <p>2 35kg</p> <p>2</p> <p>2m³</p>	
	<p>2</p> <p>GB50140</p>	<p>GB50156-2021</p> <p>12.1.2</p>	<p>5kg</p> <p>CO₂ 5</p> <p>8kg</p> <p>5</p>	
	<p>1</p> <p>0.25m</p> <p>0.25m</p>	<p>GB50156-2021</p> <p>12.3.2</p>		
	<p>2</p>	<p>GB50156-2021</p> <p>12.3.3</p>		

	4	4.5m 4.5m	5m	GB50156-2021 13.1.4		
	3m					
	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			GB50156-2021 13.2.1	2	
	2		4»	GB50156-2021 13.2.2		
	3	LPG		GB50156-2021 13.2.4		
	4					

GB50156-2021

13.2.6

0.65mm 0.5mm 0.7mm

5

GB50156-2021

13.2.7

6

GB50156-2021

13.2.8

7 380/220V TN-S
 380V TN-C-S

GB50156-2021

13.2.9

8

30

GB50156-2021

13.2.10

9



5

GB50156-2021
13.2.12

11

GB50156-2021
13.2.13

12

GB50156-2021
13.2.14

13

100

GB50156-2021
13.2.15

14

1

GB50156-2021
13.2.16

1

1

5.0.1

2

5.0.5

3



	1	GB50156-2021 14.3.1		
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5-8

“ ”

C

C

5-9

	5	5	0	0
	31	31	0	0
	22	19	0	3
	45	39	0	6
	8	8	0	0
	28	27	0	1
	16	11	0	5
	20	11	0	9
	175	151	0	24

5-9

6.

1

6

7

8

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7.

GB50156-2021

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B

1

2

3

2

0

3

1.5m 0.75m

0.5m

1

1m

3m 2m

1.5m

2

1

2

3

4

5

6

7