1.

2.

LUGB LUCB

3.

3.1

LUGB DN10-DN500
LUCB DN200-DN2000
: LUGB 1.0 1.5 0.5 0.2
LUCB 2.5 1.5 1.0)
2 3 4 5 6 7
: LUGB DN10 DN200 PN25
DN250 DN500 PN16
LUGB DN10 DN80 900L
DN100 DN200 900L
DN250 DN500 PN10
LUCB DN200 DN2000 PN16

GB/T 9124.1-2019; ANSI/ASME/DIN/JIS/KS.....

LUGB	-200	+80	-40	+150	-40	+260	-40	+320	-40	+420	
LUCB	-40	+150	-40	+200							

-20 +60 -20 +40
5 95 RH
86kPa 106kPa
20:1
IP65 IP67 IP68

304 316 316L

2 7 D

3.2

24VDC ± 5% 3.6VDC 24VDC 3.6V

1. ≤ 1V, ≥ 6V
2. ≤ 1V, ≥ 6V
3. 4-20mA ≤ 300Ω

RS485 HART

--
-- 128*64

3

LUGB.....

LUCB.....

A. LUGB

1.

2.

3.

B.

1.

4.

2.

3.

C 0.

LUGB			LUCB	
C			0	
0+	10mm		020	200mm
00	15mm		025	250mm
01	20mm		030	300mm
02	25mm		035	350mm
03	32mm		040	400mm
04	40mm		045	450mm
05	50mm		050	500mm
06	65mm		060	600mm
08	80mm		070	700mm
10	100mm		080	800mm
12	125mm		085	850mm
15	150mm		090	900mm
20	200mm		100	1000mm
25	250mm		150	1500mm
30	300mm		160	1600mm
35	350mm		170	1700mm
40	400mm		180	1800mm
45	450mm		190	1900mm
50	500mm		200	2000mm

50mm,

D.

0.

1. 4-20mA

2.

3.

4. 4-20mA

5.

E.

0. -40 ~+150

1. -40 ~+260 LUCB 200

2. -40 ~+320 LUCB

3B -40 ~+420

4. -200 ~+80 LUGB

IP65 IP67

S LUGB-**05s

4. 1.5 LUCB

I.

0.

1. ≤10

2.

J.

0. 12VDC

1. 24VDC

2. 3.6V

3. 3.6V 24VDC

K.

0.

1.

2.

3.

4.

L. LUGB

0.

1. ≥320

M.

0.

1. RS485

2. RS232

N. HART

0. HART

1. HART

P. LUCB

0.

1.

Q.

0.

1.

R. LUCB

0. 1.6MPa

1. 2.5MPa >2.5 MPa

: 1

3.3.3.LUGB

1 0.5
1.5 0.8
2 -200 ~+80 DN10-DN32 3
0.8 DN40-DN500 1.5 0.8

LUGB

	500 kg/m³	600 kg/m³	700 kg/m³	800 kg/m³	900 kg/m³	1000 kg/m³	1200 kg/m³	1400 kg/m³	1600 kg/m³	1800 kg/m³	Qmax (m³/h)
						Qmin		m³/h			
DN10	0.30	0.28	0.24	0.21	0.19	0.15	0.14	0.13	0.12	0.11	2.0
DN15	0.60	0.50	0.47	0.37	0.36	0.35	0.30	0.28	0.26	0.24	4.5
DN20	1.15	1.00	0.98	0.90	0.80	0.60	0.58	0.56	0.54	0.52	8.0
DN25	1.30	1.20	1.10	1.05	1.00	0.90	0.82	0.76	0.71	0.68	12
DN32	1.90	1.80	1.70	1.62	1.56	1.50	1.45	1.35	1.20	1.00	20
DN40	3.50	3.20	3.00	2.80	2.60	2.28	2.20	2.10	2.00	1.90	32
DN50	4.70	4.30	3.9	3.70	3.60	3.50	3.00	2.80	2.60	2.50	50
DN65	7.10	6.50	6.30	6.20	6.10	6.00	5.00	4.50	4.20	4.00	84
DN80	11	10									

kg/m³

	130	140	150	160	170	180	190	210	220	250	300	360	420
0.10MP	1.10	1.07	1.04	1.02	0.99	0.97	0.95	0.91	0.89	0.83	0.76	0.69	0.63
0.15MP	1.38	1.34	1.34	1.28	1.24	1.21	1.19	1.13	1.11	1.04	0.95	0.86	0.78
0.26MP		1.96	1.90	1.85	1.81	1.76	1.72	1.64	1.61	1.51	1.37	1.24	1.13
0.30MP			2.12	2.067	2.01	1.96	1.92	1.83	1.79	1.68	1.53	1.38	1.26
0.36MP			2.46	2.39	2.33	2.27	2.21	2.11	2.06	1.94	1.76	1.59	1.45
0.40MP				2.61	2.54	2.47	2.41	2.30	2.25	2.11	1.91	1.73	1.57
0.50MP				3.16	3.07	2.99	2.91	2.77	2.71	2.54	2.30	2.07	1.89
0.60MP					3.61	3.51	3.42	3.25	3.18	2.97	2.69	2.42	2.21
0.70MP						4.05	3.94	3.74	3.65	3.41	3.09	2.78	2.53
0.80MP						4.59	4.46	4.23	4.13	3.85	3.48	3.13	2.84
0.90MP						5.15	4.99	4.73	4.61	4.30	3.88	3.48	3.16
1.00MP							5.54	5.23	5.09	4.75	4.28	3.84	3.48
1.15MP							6.37	6.00	5.84	5.43	4.88	4.37	3.97
1.50MP								7.87	7.64	7.05	6.30	5.63	5.10
1.65MP								8.70	8.43	7.76	6.92	6.17	5.59
1.80MP								9.55	9.24	8.48	7.55	6.72	6.08
2.00MP									10.36	9.47	8.39	7.45	6.74
2.20MP									11.51	10.47	9.24	8.20	7.40
2.50MP										12.02	10.55	9.32	8.39

3.3.5 LUCB

$$Qmin=3600*Vmin*(\pi*D^2/4) \quad (5)$$

$$Qmax=3600*Vmax*(\pi*D^2/4) \quad (6)$$

$$QNmin=Qmin*[(P+P)*(273.15+T)]/[P*Z*(273.15+T)] \quad (7)$$

$$QNmax=Qmax*[(P+P)*(273.15+T)]/[P*Z*(273.15+T)] \quad (8)$$

$$\rho=\rho_n[(P+P)*(273.15+T)]/[P*Z*(273.15+T)] \quad (9)$$

Qmin -- m^3/h

Qmax -- m^3/h

Vmin -- m/s

Vmax -- m/s

D ----- m

π ----- 3.1415926535898

QNmin - m^3/h

QNmax - m^3/h

T --- 0 20

T ---

P --- 0.101325MPa

P --- MPa

Z ----- Z=Z /Z

ρ ----- kg/m^3

ρ_n---- kg/m^3, 0 20 , 0.101325MPa 9 T ρ_n

P -- MPa

LUCB

1. ρ

2. ρ Vmin Vmax

3. 5 6 Qmin Qmax

4. ρ Qmin Qmax

4.

1.
2.

≤5Ω

φ8

4

1. LUGB LUCB

5

2.

LUGB LUCB 5

1 LUGB

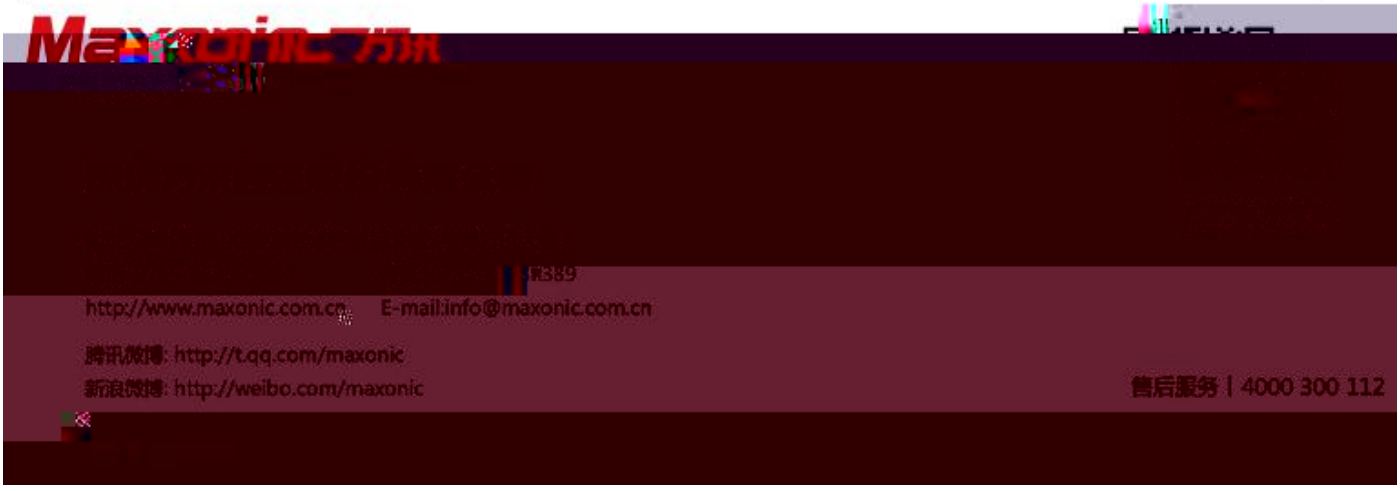
2 LUGB

1

		DN200 DN2000 (mm)		-40～+150 -40～+200	1. 2. DN100
		DN10 500 (mm)		-40～+150 -40～+260	1. 2. ≤ 10
		DN25 500 (mm)			
		DN200 DN2000 (mm)			

(mm)	(MPa)	D(mm)	K(mm)	¢(mm)	N( )	H(mm)
DN10	1.0/1.6/2.5	90	60	14	4	14
DN15	1.0/1.6/2.5	95	65	14	4	14
DN20	1.0/1.6/2.5	105	75	14	4	16
DN25	1.0/1.6/2.5	115	85	14	4	16
DN32	1.0/1.6/2.5	140	100	18	4	18
DN40	1.0/1.6/2.5	150	110	18	4	18
DN50	1.0/1.6/2.5	165	125	18	4	20
DN65	1.0/1.6/2.5	185	145	18	8	20/20/22
DN80	1.0/1.6/2.5	200	160	18	8	20/20/24
DN100	1.0/1.6/2.5	220/220/235	180/180/190	18/18/22	8	22/22/26
DN125	1.0/1.6/2.5	250/250/270	210/210/220	18/18/26	8	22/22/28
DN150	1.0/1.6/2.5	285/285/300	240/240/250	22/22/26	8	24/24/30
DN200	1.0/1.6/2.5	340/340/360	295/295/310	22/22/26	8/12/12	24/26/32
DN250	1.0/1.6/2.5	395/405/425	350/355/370	22/26/30	12/12/12	26/29/35
DN300	1.0/1.6/2.5	445/460/485	400/410/430	22/26/30	12/12/16	26/32/38
DN350	1.0/1.6/2.5	505/520/555	460/470/490	22/26/33	16/16/16	30/35/42
DN400	1.0/1.6/2.5	565/580/620	515/525/550			

(mm)	(MPa)					
		D1(mm)	D2(mm)	K(mm)	¢(mm)	N( )
DN10	1.0/1.6/2.5	14	90	60	14	4
DN15	1.0/1.6/2.5	19	95	65	14	4
DN20	1.0/1.6/2.5	26	100	70	14	4
DN25	1.0/1.6/2.5	33	100	75	14	4
DN32	1.0/1.6/2.5	39	105	80	14	4
DN40	1.0/1.6/2.5	49	150	116	18	4
DN50	1.0/1.6/2.5	60	160	124	18	4
DN65	1.0/1.6/2.5	76	175	138	18	4
DN80	1.0/1.6/2.5	90	204	164	20	4
DN100	1.0/1.6/2.5	109	234	192	22	6
DN125	1.0/1.6/2.5	134	250	205	22	6
DN150	1.0/1.6/2.5	163	280	232	22	6
DN200	1.0/1.6/2.5	220	340	286	24	8
DN250	1.0/1.6/2.5	274	390	338	24	8
DN300	1.0/1.6/2.5	327	450	393	26	12
DN350	1.0/1.6/2.5	377	510	460	26	16
DN400	1.0/1.6/2.5	426	565	510	26	16
DN450	1.0/1.6/2.5	482	620	565	30	16
DN500	1.0/1.6/2.5	534	685	620	33	20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