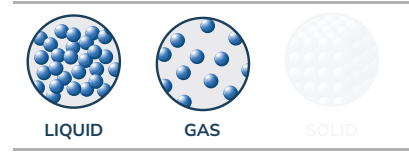
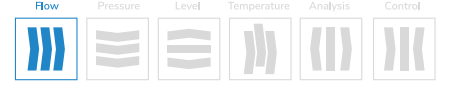


BFLC

Oval Gear Flowmeter



OVERVIEW

Operation

Oval gear flow meter is one of positive displacement flowmeter and is mainly composed of meter shell, oval gear rotor and converter. It is an instrument used for continuous or discontinuous metering and control of liquids in the pipeline. It has advantages of large metering range, excellent accuracy, small pressure loss and high viscosity adaptability etc; It has good performance on measuring high-temperature and highviscosity liquids. It is applicable to the calibration and metering of crude oil, chemical, chemical fiber, traffic, ommerce, food, medicine and health, scientific research and military etc.



TECHNICAL DATA

Accuracy

$\pm 0.2\%$, $\pm 0.5\%$

Nominal Diameter

DN8~DN200 (1"~4")

Medium Viscosity

2~10000mPa.s

Output Signal

Pulse, DC4~20mA, RS485

Error Adjustment

Changing Gear Adjustment

Explosion Proof

Flame-proof Type, ExdIIBT4

Sensor Material

Cast Iron, Cast Steel, Stainless Steel

Nominal Pressure

1.6~6.3MPa

Medium Temperature

-20 °C~+250 °C

Power Supply

12VDC, 24VDC

Display

Accumulative Flow, Single Measurement(Mechanical Dial) Remote transmission of total and instantaneous flow

Protection

IP65

Ambient Temperature

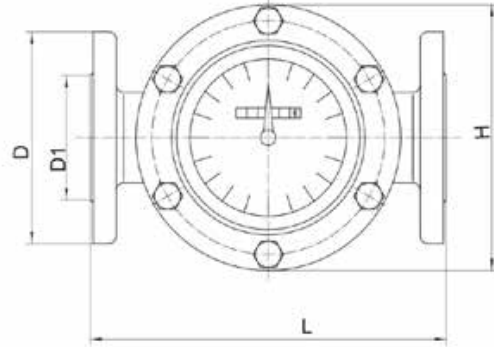
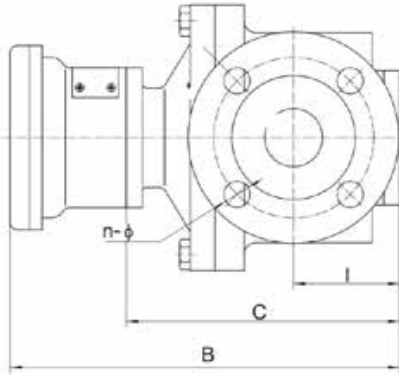
-20°C~+55°C

Sensor Connection

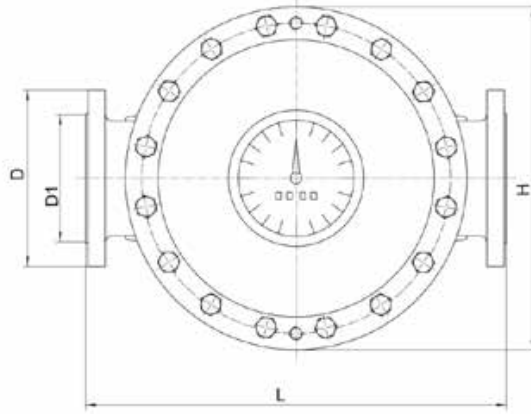
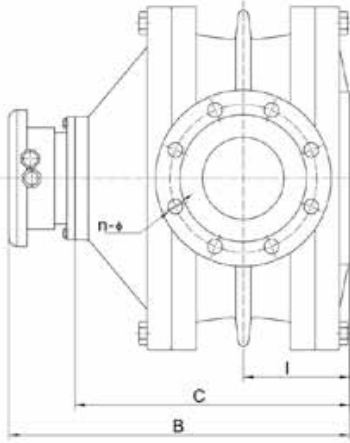
Flange, Thread, Tri-clamp



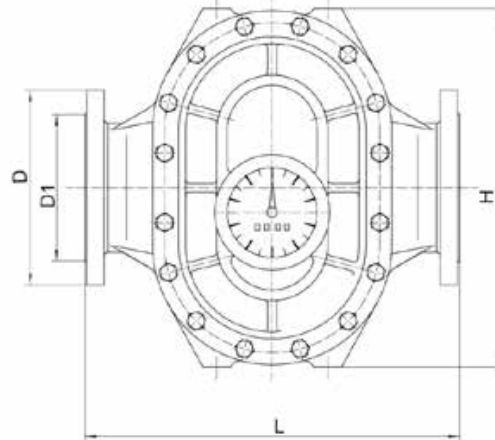
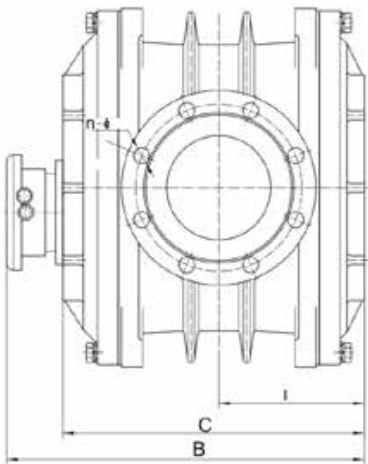
TECHNICAL DRAWINGS AND DIMENSIONS



DN10~DN40



DN50~DN100



DN150, DN200



DN	L	H	A	B	D	D1	N	Φ
10	150	100	165	210	90	60	4	14
15	170	118	172	226	95	65	4	14
20	200	150	225	238	105	75	4	14
25	260	180	232	246	115	85	4	14
40	245	180	249	271	145	110	4	18
50	340	250	230	372	160	125	4	18
65	420	325	270	386	180	145	4	18
80	420	325	315	433	195	160	8	18
100	515	418	370	458	215	180	8	18
150	540	515	347	557	280	240	8	23
200	650	650	476	720	335	295	12	23

Note: Above oval gear flow meter drawing is DIN PN16 flange, other standards can be provided on request.

DN	L	H	B	A	D	D1	N	Φ
15	200	138	232	180	105	75	4	14
20	250	164	220	160	125	90	4	18
25	300	202	252	185	135	100	4	18
40	300	202	293	208	165	125	4	23
50	384	262	394	312	175	135	4	23
80	450	337	452	332	210	170	8	23
100	555	442	478	310	250	200	8	25
150	540	510	557	347	300	250	8	26
200	650	650	720	476	36	310	12	26

Note: Above oval gear flow meter drawing is DIN PN16 flange, other standards can be provided on request.



DN	L	H	A	B	D	D1	N	Φ
15	208	120	228	172	95	65	4	14
20	236	150	238	225	105	75	4	14
25	287	195	246	232	115	85	4	14
40	265	178	349	265	145	110	4	18
50	265	178	349	265	160	125	4	18
65	365	260	436	319	180	145	4	18
80	420	305	459	324	200	160	8	18
100	515	400	554	373	220	180	8	18
150	540	515	607	397	280	240	8	23

Above oval gear flow meter drawing is DIN PN16 flange, other standards can be provided on request.

ORDERING

Model	
BFLC	Oval Gear Flowmeter

Diameter	
010	DN10
100	DN100
200	DN200

Converter Type	
M0	Mechanical Display; No Output
M1	Mechanical Display; Pulse Output; 24VDC
M2	Mechanical Display; 4-20mA Output; 24VDC
B	LCD Display; No Output; Battery
L1	LCD Display; Pulse Output; 24VDC
L2	LCD Display; 4-20mA Output; 24VDC
L3	LCD Display; 4-20mA & Pulse Output; 24VDC

Totalizer	
Y	Yes
N	None

Accuracy	
02	±0.2% of rate
05	±0.5% of rate

Structure	
S	Standard Type
T	High Temperature Type(280°C)
V	High Viscosity Type(3000 mPa.s)

Body Material	
CI	Cast Iron
CS	Cast Steel
S4	SS304
S6	SS316

Connection	
D16	DIN PN16 Flange; D25: DIN PN25 Flange...
A15	ANSI 150# Flange; A30: ANSI 300# Flange...
J10	JIS 10K Flange; J20: JIS 20K Flange...
THR	Thread Connection (stainless steel only)

