CATALOG + DATASHEET

Coriolis Mass Flow & Density Meter P Series

- Applied to Mass Flow
- Accuracy: ±0.1% of reading for liquids; ±0.5% for gases
- Density Measurement Accuracy: ±1 kg/m³
- Temperature Accuracy: ±0.5°C
- Nominal Diameter: 5 to 300 mm
- Operating Temperature Range: -50°C to +350°C
- Design: Dual U-shaped or C-shaped flow tube for high sensitivity
- Comprehensive Measurement: Provides mass flow rate, volume flow rate, density, and temperature measurements, with direct volume flow rate replacement — no conversion needed
- Installation: Easy installation without the need for rectifiers, filters, or special pipe sections
- Low Maintenance: No moving parts, highly stable, with minimal need for recalibration
- Low Flow Capability: Supports low-flow operations with reduced pressure loss for efficiency
- Compact Design: Space-saving installation to lower costs
- Interchangeable Transmitter: Enables easy maintenance
- Unaffected by Ambient Temperature

Contents

01 Performance Index

01 Liquid Flow Rate Performance Index

04 Gas Measurement Performance

05 Density Performance Index (Only Liquid)

05 Temperature Performance Index

06 Power Supply & Power Consumption

06 Power Amplifier

08 Environmental Influences

10 Usage Limits

10 Pressure Rating

10 Vibration Limits

11 Safety & Protection

12 Structure Parameters

12 Structure Materials

12 Weight

13 Dimensions

50 Order Information

Liquid Flow Rate Performance Index

Performance Index

Rated Mass Flow Rate & Rated Volume Flow Rate

		Rated Mass Flow Rate (L/h)	Rated Volume Flow Rate (kg/h)
General type	P1	35	35
	P2	100	100
	P5	300	300
	P10	1,000	1,000
	P15	3,000	3,000
	P20	6,300	6,300
	P25	17,000	17,000
	P40	27,000	27,000
	P50	63,000	63,000
	P80	160,000	160,000
	P100	360,000	360,000
	P150	550,000	550,000
	P200	1,100,000	1,100,000
	P250	1,800,000	1,800,000
	P300	2,000,000	2,000,000
High pressure type	P15	300	2,400
	P20	1,000	5,400
	P25	3,000	16,000
	P50	6,300	56,667
	P80	17,000	146,667
High temperature type	P15	3,000	3,000
	P20	6,300	6,300
	P25	17,000	17,000
	P50	63,000	63,000
	P80	160,000	160,000
	P100	360,000	360,000
	P150	550,000	550,000
	P200	1,100,000	1,100,000
	P250	1,800,000	1,800,000

Zero Stability

		kg/h
General type	P1	0.0023
	P2	0.0067
	P5	0.02
	P10	0.07
	P15	0.20
	P20	0.42
	P25	1.13
	P40	1.80
	P50	4.20
	P80	10.67
	P100	24.00
	P150	36.67
	P200	73.33
	P250	120.00
	P300	133.33
High pressure type	P15	1.6
	P20	3.6
	P25	10.67
	P50	66.67
	P80	98
High temperature type	P15	2
	P20	4.2
	P25	11.33
	P50	42
	P80	106.67
	P100	240
	P150	366.67
	P200	733.33
	P250	1200

Mass Flow Accuracy[1]

15:1 Within the range ratio[2] ±0.1%

15:1 Out of the range ratio ±(zero stability/instant rate) × 100%

Repeatability

15:1 within the range ratio ±0.05%

15:1 out of the range ratio ±1/2 (zero stability / instant flow rate) × 100%

Volume Flow Accuracy[1]

Full scale ± 0.15 ± (zero stability / instant flow rate) × 100%

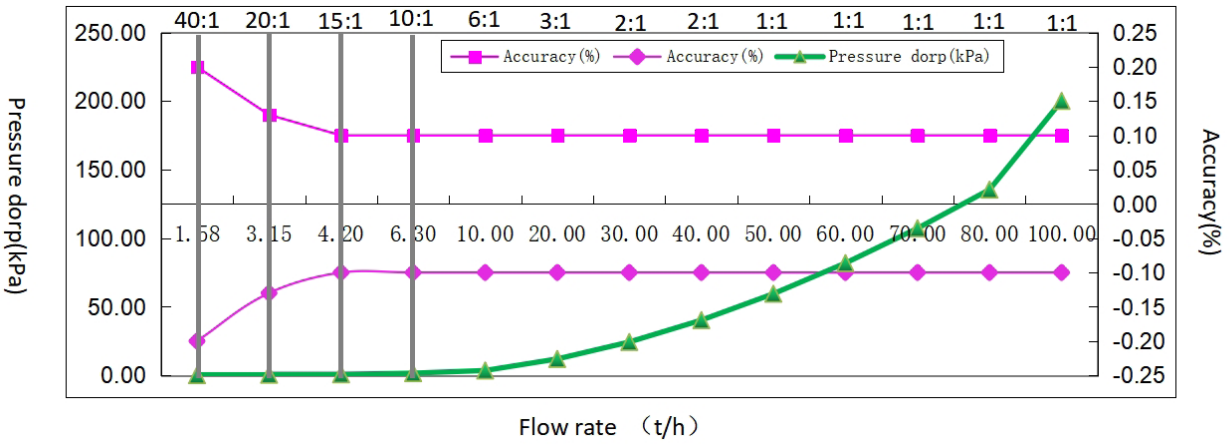
Repeatability

Full scale ± 0.075 ± (zero stability / instant flow rate) × 100%

[1] Flow errors reflect the combined impact of repeatability, linearity, and lag.

[2] Range ratio, defined as the ratio of maximum to minimum measurable flow, influences flow accuracy.

Accuracy, turndown and pressure loss: take P50 connected with DPT100 transmitter as an example



Range ratio (from the maximum flow)	20:1	15:1	5:1	1.5:1	1:1
Accuracy ±%	0.13	0.10	0.10	0.10	0.10
Pressure drop (MPa)	0.001	0.002	0.02	0.10	0.23

Note：When the maximum flow rate exceeds the rated range, pipe noise may impact accuracy.

The chart above details measurement accuracy and pressure drop characteristics at various range ratios. With a large range ratio, flow accuracy primarily depends on zero stability, calculated as accuracy = (zero stability / instantaneous flow) × 100%. If this value exceeds allowable accuracy, it supersedes it.

Gas Measurement Performance

Performance Index

Mass flow accuracy	(Flow rate > zero stability/0.005)	±0.5%
	(Flow rate < zero stability/0.005)	±(Zero stability/instant flow rate) × 100%
Mass flow repeatability	(Flow rate > zero stability/0.005)	±0.25%
	(Flow rate < zero stability/0.005)	±1/2(Zero stability/instant flow rate) × 100%

Standard Volume

In most applications, customers use standard volume to define the volume at specific pressure and temperature conditions, often referred to as "standard mass" for fixed-component liquids. With standard density values (from reference data), the flow meter outputs in standard volume units, providing measurements based on liquid quality and standard liquid density without the need for pressure, temperature, or density compensation. For furture details, please contact your local agency.

Pressure Loss

Pressure loss is affected by the sensor geometric form, gas density and flow rate. While customers are suggested that the sensor pressure loss couldn't surpass 0.127 Mpa when design type selection.

Flow Rate

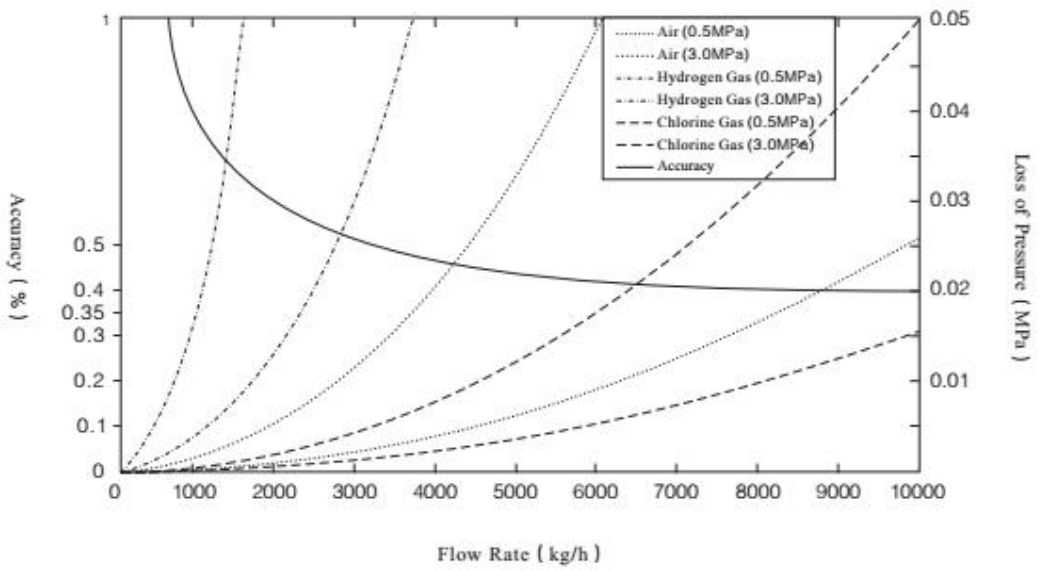
Gas flow rates are generally higher than liquid flow rates, leading to increased noise that can affect flow meter signals. Therefore, the flow rate within the sensor pipe should be no more than 0.5 times the speed of sound when pressure loss is below 0.127 MPa.

[1] Flow errors include the combined effects of repeatability, linearity, and lag.

[2] Range ratio is defined as the maximum measurable flow divided by the minimum measurable flow.

[3] When flow is below zero stability / 0.005, accuracy = ±(zero stability / instantaneous flow rate) × 100% and repeatability = ±1/2 (zero stability / instantaneous flow rate) × 100%.

Accuracy and pressure loss data diagram: take P50 mass flow meter for measuring different medium under different pressure as an example



Density Performance Index (Only Liquid)

Performance Index

Accuracy[1]	±0.001g/cm^3	±1.0 kg/m^3
Repeatability	±0.0005g/cm^3	±0.5 kg/m^3
Measuring range	(0.2 to 3.00) g/cm^3	(200 to 3000) kg/m^3

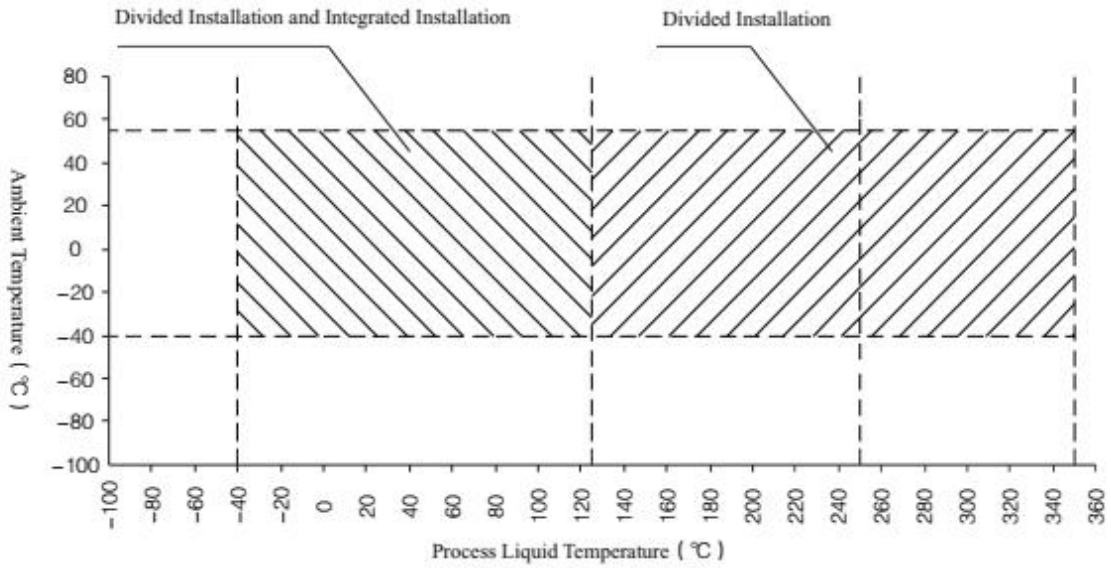
[1] Flow Accuracy includes repeatability, linearity and hysteresis, density accuracy index of ±1.0 kg/m^3 is calculated under the condition of water of 20℃ & 1bar to 2bar.

Temperature Performance Index

Performance Index

Accuracy	All models	± 0.5℃
Repeatability	All models	± 0.2℃
Temperature limits[2]	All models matched all electronics options	

[2]Temperature limits maybe need explosion protection for further limit because installed in hazardous area, refer P9.



- The temperature must be heated to the local ambient temperature between -40°C to +55°C (such as using steam tracing method) when the temperature below -40°C.

Temperature range	-50℃ to +350℃	(Pt100)
Fluid temperature	Compact installation	-50℃ to +125℃
	Remote installation (general type)	-50℃ to +200℃
	Remote installation (high temrature extension type)	-50℃ to +350℃
	Remote installation (low temperature type)	-200℃ to +80℃
Ambient temperature	Storage	-40℃ to +70℃
	Operation	-40℃ to +55℃

Power Supply & Power Consumption

Performance Index

Transmitter	DPT100	Maximum 10 W
Sensor	P150, P200, P250, P300 shall provide a power supply 220 VAC (or 24 VDC)for the power preamplifier	Maximum 30 W（20 W）

Note: The DC starting current of flow meter is less than 1 A (without power amplifier).

Power Amplifier

Performance Index

Overview

For DN150 and above sizes, a power amplifier is required since measuring tubes with larger diameters have increased thickness that makes it challenging to drive the meter head directly. Therefore, an additional power amplifier is necessary to ensure proper functionality of the flowmeter.

Parameters

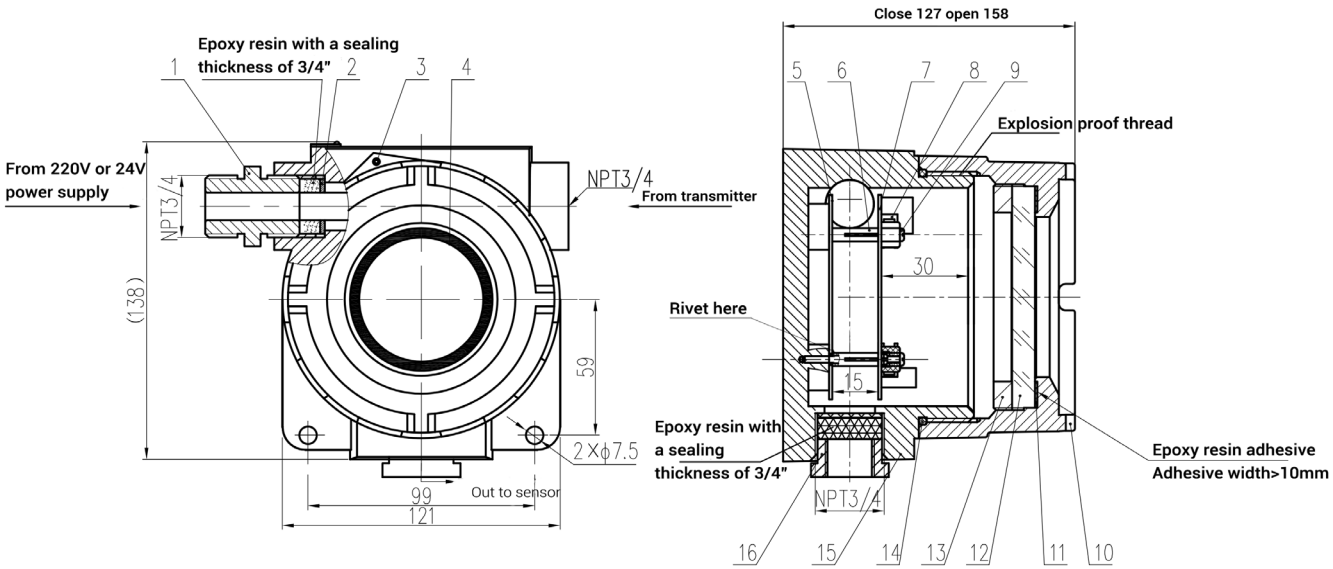
- The material of the power amplifier housing is cast aluminum, with epoxy primer and polyurethane topcoat
- Electrical Connection: 3/4 NPT
- Explosion-proof: ExdbIICT6 Gb, NEPSI
- Power Supply: 24 VDC

  220 VAC

Technical Requirement

- Encapsulation after connecting with the sensor must adhere to original processes.
- To prevent locking issues at threaded joint surfaces between the upper cover and shell, graphite lubricant should be evenly applied prior to assembly.
- Before conducting formal testing, a water pressure test at 1.5 MPa for 10 seconds will be performed on the shell; if no dripping occurs at either shell or sealing surface during this time frame, it will be deemed qualified.
- The net volume of the cavity measures 1.3 L; electrical creepage distance stands at 8 m while electrical clearance measures 6 mm.

Structure Dimension



Serial Number	Name	Quantity	Material
1	Gland nut	1	Q235A
2	Plug	2	F4
3	Screw	1	1Cr18Ni9
4	Power amplifier seal	1	Plastic film
5	Power amplifier board	1	Component
6	Pillar	4	H62
7	Power supply board	1	
8	Gasket	4	Nylon 66
9	Screw	4	1Cr18Ni9
10	Upper cover	1	ZL101A
11	Silicone pad	1	Silicon rubber
12	Glass window	1	Tempered glass
13	Pressure ring	1	ZL101A
14	O ring 106×3.55-G-N	1	Silicon rubber
15	Base	1	ZL101A
16	Internal and external screws N4-3/4×1/2	1	12Cr18Ni9

Environmental Influences

Environmental Influences

Process Temperature Influence

Process temperature deviates from the zero coordinate temperature.

- In terms of mass flow measurement, the influence of process temperature represents the maximum zero offset caused by deviations from the zero coordinate temperature.
- Regarding density measurement, the influence of process temperature is defined as the maximum measurement deviation resulting from variations between process temperature and density calibration temperature.

Process Temperature Influence

		%Maximum Flow Rate Value/℃	Density Accuracy/℃ (kg/m^3)
Maximum error	P1	±0.0002	±0.015
	P2	±0.0002	±0.015
	P5	±0.0002	±0.015
	P10	±0.000125	±0.015
	P15	±0.000125	±0.015
	P20	±0.000125	±0.015
	P25	±0.000125	±0.015
	P40	±0.0005	±0.015
	P50	±0.0005	±0.015
	P80	±0.0005	±0.015
	P100	±0.00075	±0.015
	P150	±0.00025	±0.015
	P200	±0.00025	±0.015
	P250	±0.00025	±0.015
	P300	±0.00025	±0.015

Process Influence

Pressure influence is defined as：

The changes in sensor flow and density sensitivity are attributed to deviations of process pressure from calibrated pressure. Pressure Influence can be adjusted accordingly.

		Flow accuracy influenced by pressure (% flow value/MPa)	Density accuracy influenced by pressure (Kg/m^3/MPa)
Pressure influence	P1	-	-
	P2	-	-
	P5	-	-
	P10	-	-
	P15	-	+0.58
	P20	-	-0.29
	P25	-0.03	-0.87
	P40	-0.11	+0.145
	P50	-0.11	+0.145
	P80	-0.25	+0.029
	P100	-0.58	-1.45
	P150	-0.35	-0.41
	P200	-0.20	-0.37
	P250	-0.14	-0.21
	P300	-0.14	-0.21

- Data obtained from pressure influence tests on flow rate are detailed on the sensor nameplate.
- The maximum calibrated pressure applied at our factory is 0.4 MPa.

Pressure Rating

Usage Limits

		Normal Pressure (MPa)	Max. Pressure (MPa)
Flow tube pressure rating	P1	4	11
	P2	4	11
	P5	4	11
	P10	4	11
	P15	4	20
	P20	4	20
	P25	4	20
	P40	4	11
	P50	4	20
	P80	4	20
	P100	4	11
	P150	4	11
	P200	4	11
	P250	4	11
	P300	4	11

The pressure (the unlisted temperature can be determined using the linear interpolation method) should be reduced according to the following conditions if the operating temperature exceeds 148℃:

Flow tube

	316L Sensor	304 Sensor
Less than 148℃	Null	Null
204℃	Low down 7.2%	Low down 5.4%
260℃	Low down 13.8%	Low down 11.4%
316℃	Low down 19.2%	Low down 16.2%
343℃	Low down 21.0%	Low down 18.0%
371℃	Low down 22.8%	Low down 19.2%

The sensor housing is designed to withstand a maximum pressure of 0.5 MPa.

Vibration Limits

Usage Limits

In accordance with the standard GB/T 2423.11, it can endure 50 cycles under conditions of acceleration a = 1g (where g = 9.8 m^2/s) and frequencies ranging from 20 to 500 Hz during testing.

It is recommended to implement remote installation if the vibration in the application area exceeds an acceleration of a = 0.5g.

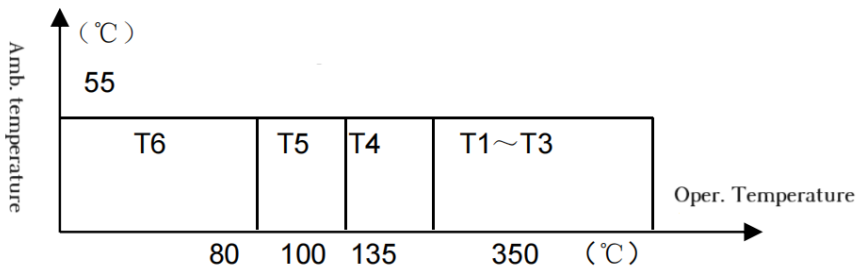
Safety & Protection

Usage Limits

Certification has been tested and issued by the National Explosive-proof Electrical Products Quality Supervising and Testing Center:

Explosion-proof marks	Transmitter	P5 to P80	Ex ib IIC T3...T6 Gb
		P100 to P250	Ex ib IIC T6 Gb(T6 Includes T1...T6)
	Sensor	DPT100	Exd e[ib]IIC T6 Gb
Protection grade	Transmitter	IP67	
	Sensor	IP67	

" T " temperature groups refer to the maximum surface temperature of the sensor at the working temperature of 55℃.



The explosion-proof performance complies with GB3836.1-2010, GB3836.3-2010, and GB3836.4-2010.

The protection grade adheres to GB4208-2008.

Applications: Suitable for use in explosive hazardous locations classified as Zone 1 and Zone 2; device type is II C, compatible with IIA and IIB; temperature groups range from T1 to T6.

Note: The explosion-proof performance will remain unaffected by whether the sensor and transmitter are installed remotely or compactly.

Structure Materials

Structure Parameters

Wetted parts	Sensitive pipe	304L, 316L, Hastelloy C-22
	Separated liquid	304, 304L, 316L, Hastelloy C-22
	Flange	304, 304L, 316L, Hastelloy C-22
Cover	Sensor	304, 316L
	Transmitter	Cast aluminum alloy (coated polyester epoxy)
	Junction box	Cast aluminum alloy (coated polyester epoxy) or 304

Weight

Structure Parameters

Weight: The weight refers to the mass flow meter welded the GB/T9124.1-2019 PN 40 welding neck flanges. The weight unit is (kg).

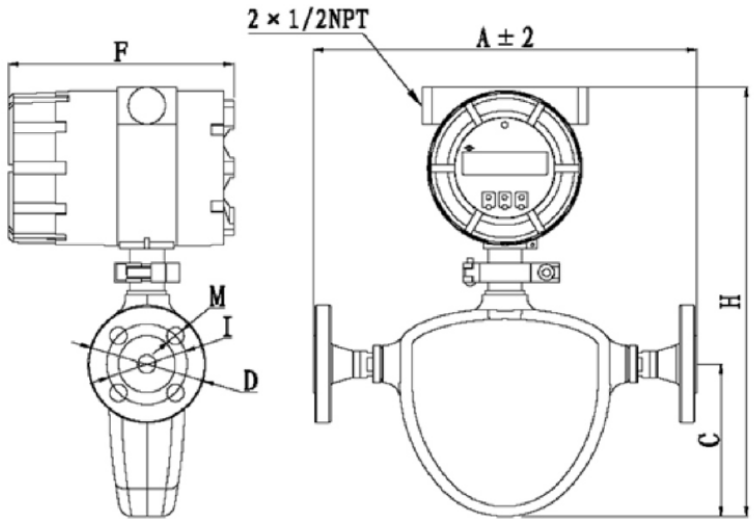
Sensor Model	Compact Mount Weight (kg)	Remote Mount Weight (kg)
P1	8.0	5.0
P2	8.0	5.0
P5	8.0	5.0
P10	9.5	6.5
P15	10.5	7.5
P20	14.0	11.0
P25	24.5	21.5
P40	30.5	27.5
P50	-	42.0
P80	-	89.0
P100	-	172.0
P150	-	248.0
P200	-	365.0
P250	-	580.0
P300	-	590.0

Dimensions

Structure Parameters

The high-temperature and high-pressure models listed in the catalog are available options.

P1, P2, P5 Integrated Installation

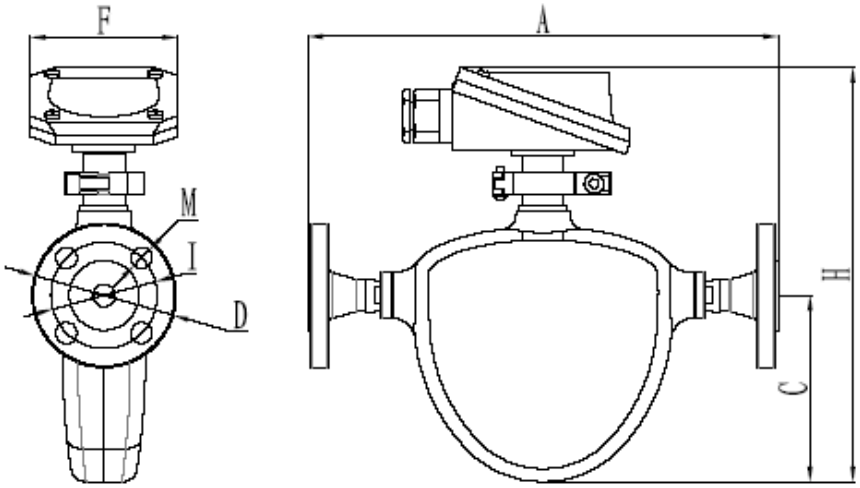


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)								
Flange (HG/T 20592-2009)		A	H	C	F	M	I	D
DN (mm)	PN							
15 (standard)	40	310	347	123	182	14	65	95
15 (optional)	63	324	347	123	182	14	75	105

Flange (HG/T 20615-2009)								
Flange (ASME B16.5)		A	H	C	F	M	I	D
DN (mm)	Class							
15 (optional)	150	330	347	123	182	16	60.3	90
15 (optional)	300	338	347	123	182	16	66.7	95
15 (optional)	600	352	347	123	182	16	66.7	95

P1, P2, P5 Remote Installation

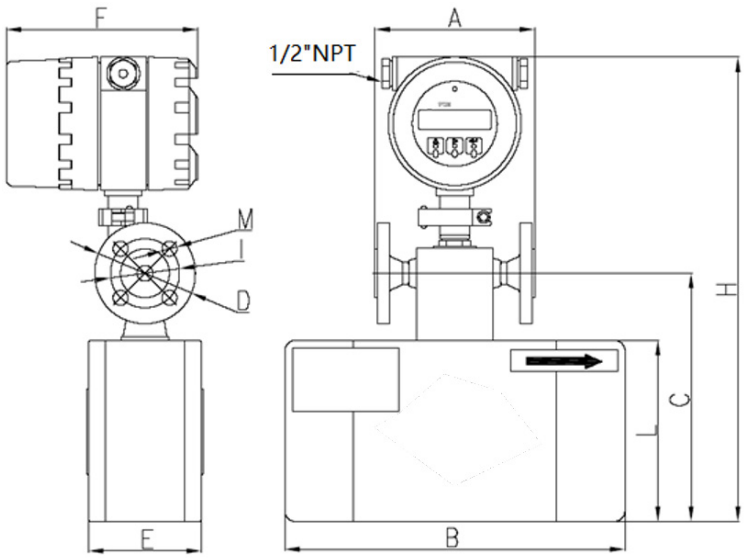


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)								
Flange (HG/T 20592-2009)		A	H	C	F	M	I	D
DN（mm）	PN							
15	40	310	273	123	110	14	65	95
15	63	324	273	123	110	14	75	105

Flange (HG/T 20615-2009)								
Flange (ASME B16.5)		A	H	C	F	M	I	D
DN（mm）	Class							
15 (optional)	150	330	273	123	110	16	60.3	90
15 (optional)	300	338	273	123	110	16	66.7	95
15 (optional)	600	350	273	123	110	16	66.7	95

P10 Integrated Installation

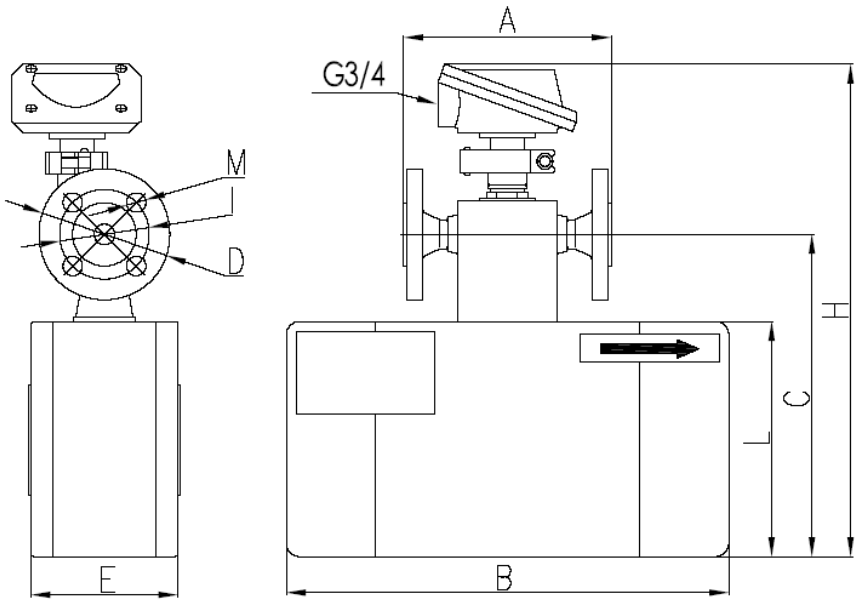


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)											
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D	F
DN (mm)	PN										
15 (standard)	40	162	321	170	233	455	110	14	65	95	180
15 (optional)	63	176	321	170	233	455	110	14	75	105	180

Flange (HG/T 20615-2009)											
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D	F
DN (mm)	Class										
15 (optional)	150	182	321	170	233	455	110	16	60.3	90	180
15 (optional)	300	190	321	170	233	455	110	16	66.7	95	180
15 (optional)	600	204	321	170	233	455	110	16	66.7	95	180

P10 Remote Installation

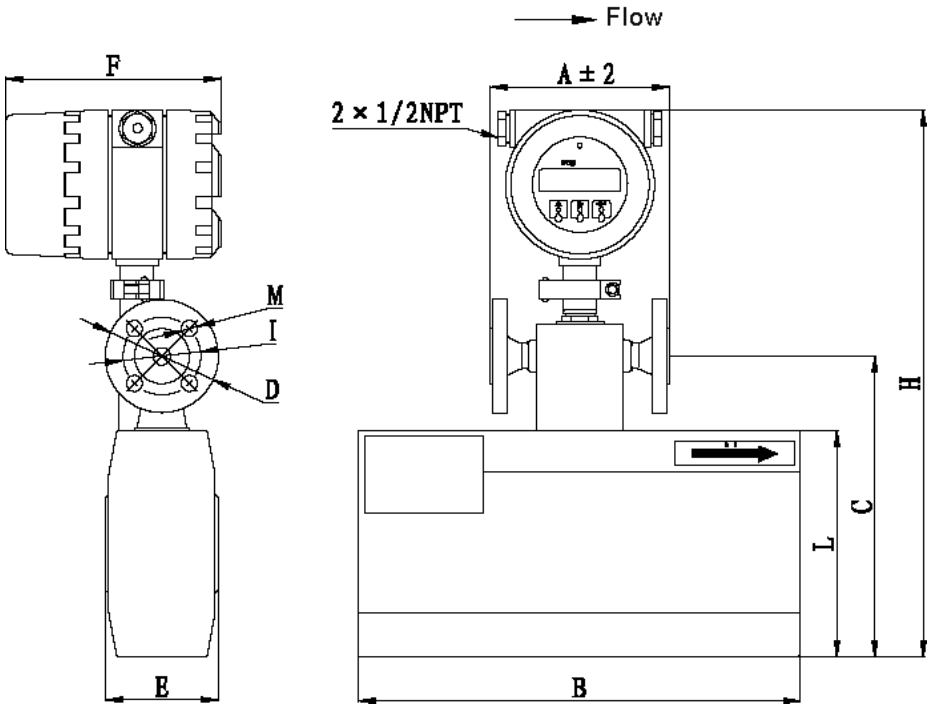


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D
DN (mm)	PN									
15 (standard)	40	162	321	170	233	380	110	14	65	95
15 (optional)	63	176	321	170	233	380	110	14	75	105

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D
DN (mm)	Class									
15 (optional)	150	182	321	170	233	380	110	16	60.3	90
15 (optional)	300	190	321	170	233	380	110	16	66.7	95
15 (optional)	600	204	321	170	233	380	110	16	66.7	95

P15 Integrated Installation

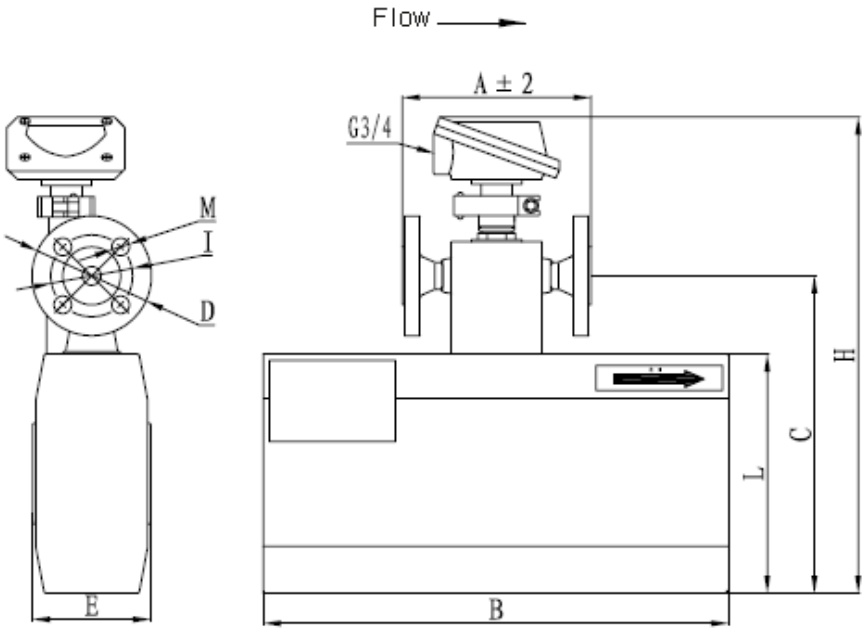


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)											
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D	F
DN (mm)	PN										
15 (standard)	40	162	370	190	252	477	124	14	65	95	180
15 (optional)	63	176	370	190	252	477	124	14	75	105	180

Flange (HG/T 20615-2009)											
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D	F
DN (mm)	Class										
15 (optional)	150	182	370	190	252	477	124	16	60.3	90	180
15 (optional)	300	190	370	190	252	477	124	16	66.7	95	180
15 (optional)	600	204	370	190	252	477	124	16	66.7	95	180

P15 Remote Installation

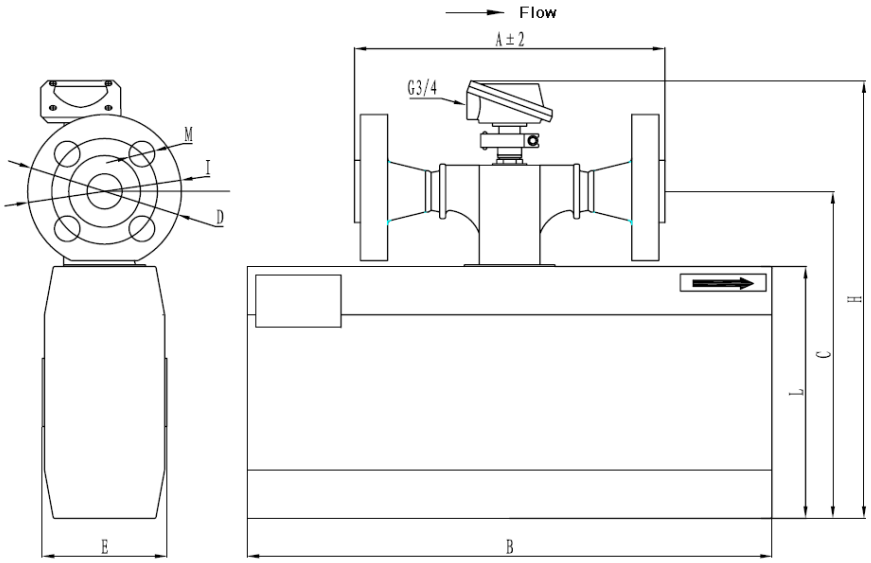


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D
DN (mm)	PN									
15 (standard)	40	162	370	190	252	400	124	14	65	95
15 (standard)	63	176	370	190	252	400	124	14	75	105

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D
DN (mm)	Class									
15 (optional)	150	182	370	190	252	400	124	16	60.3	90
15 (optional)	300	190	370	190	252	400	124	16	66.7	95
15 (optional)	600	204	370	190	252	400	124	16	66.7	95

P15 (High Pressure Type) Remote Installation

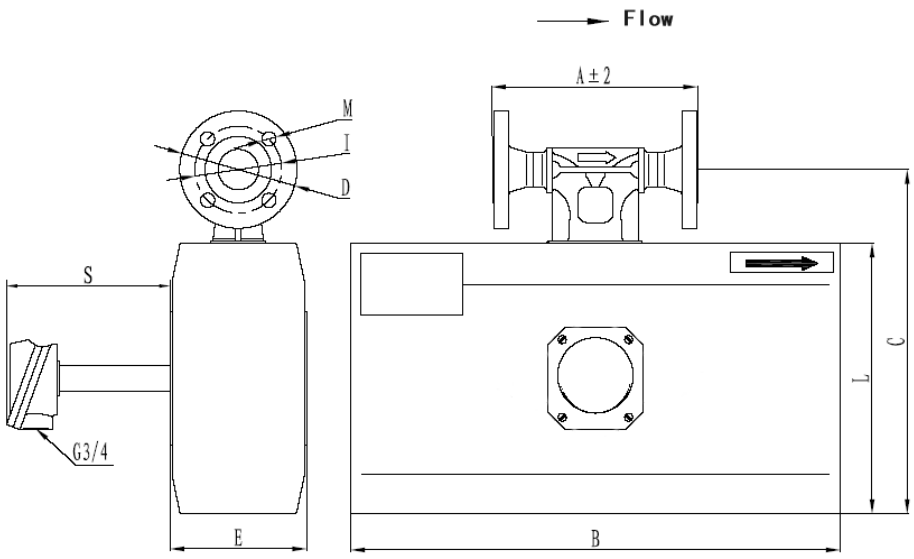


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D
DN (mm)	PN									
15 (standard)	160	176	370	190	252	400	124	14	65	95

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D
DN (mm)	Class									
15 (optional)	900	218	370	190	252	400	124	16	60.3	90
15 (optional)	1,500	218	370	190	252	400	124	16	66.7	95

P15 (High Temperature Type) Remote Installation

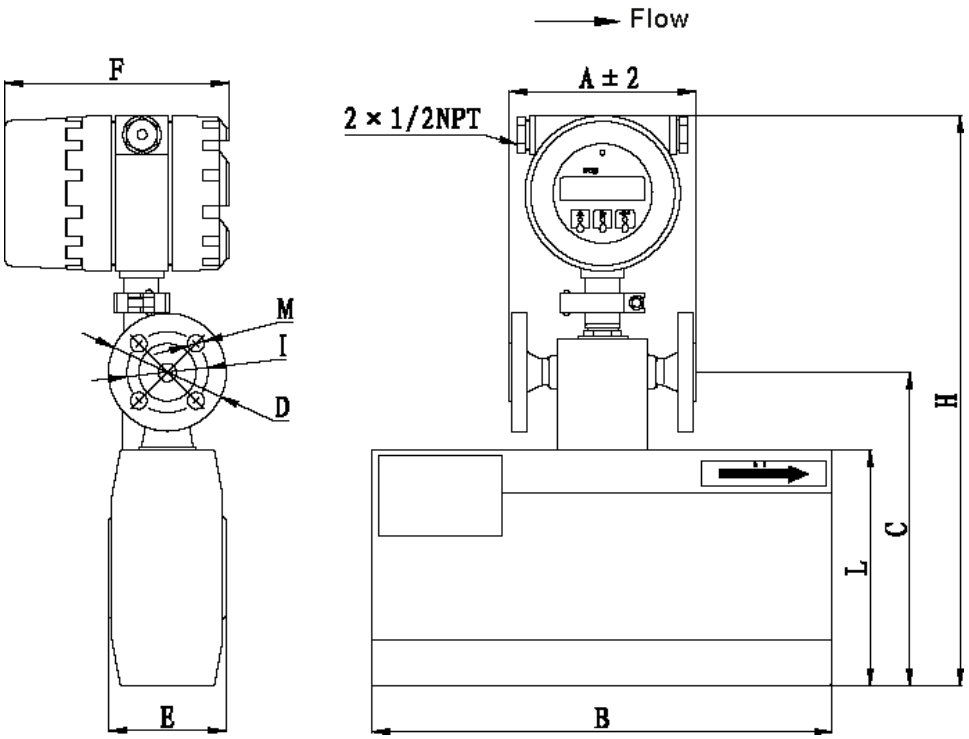


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	S	E	M	I	D
DN (mm)	PN									
15 (standard)	40	162	370	190	252	163	124	14	65	95

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	S	E	M	I	D
DN (mm)	Class									
15 (optional)	300	190	370	190	252	163	124	16	66.7	95

P20 Integrated Installation

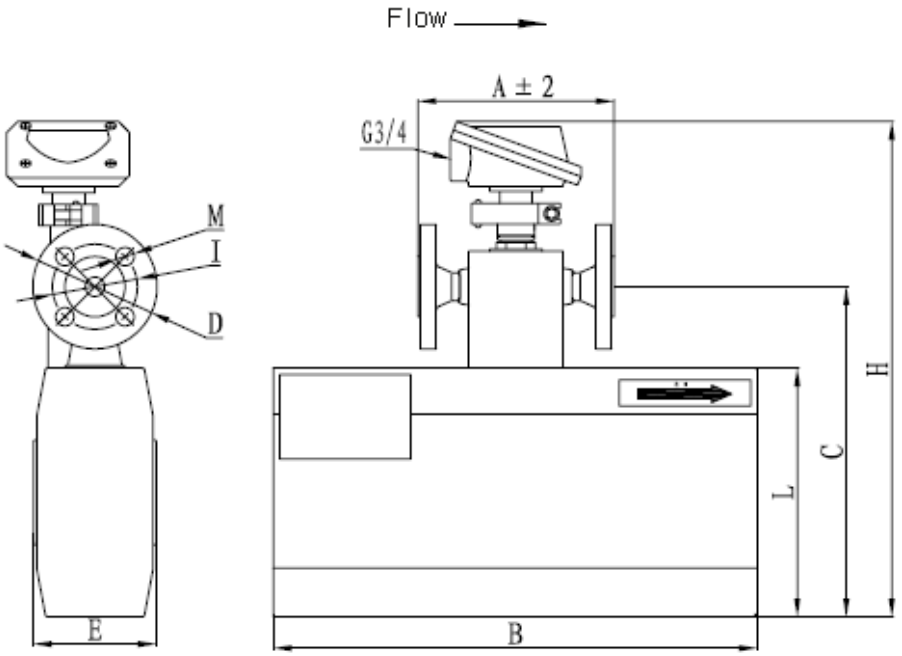


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)											
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D	F
DN (mm)	PN										
25 (standard)	40	202	480	265	337	555	134	14	85	115	180
25 (optional)	63	238	480	265	337	555	134	18	100	140	180

Flange (GB/T 20615-2009)											
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D	F
DN (mm)	Class										
25 (optional)	150	234	480	265	337	555	134	16	79.4	110	180
25 (optional)	300	246	480	265	337	555	134	18	88.9	125	180
25 (optional)	600	260	480	265	337	555	134	18	88.9	125	180

P20 Remote Installation

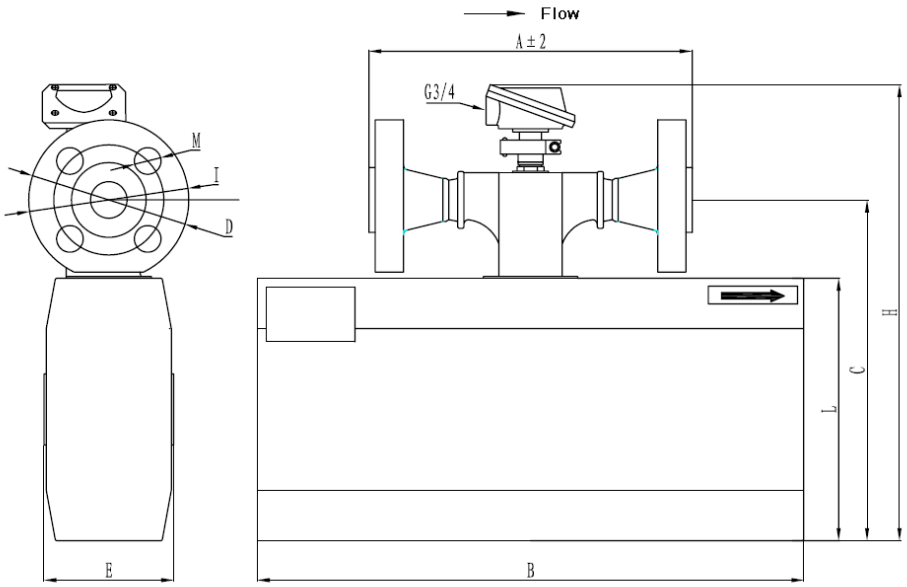


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D
DN (mm)	PN									
25 (standard)	40	202	480	265	337	477	134	14	85	115
25 (optional)	63	238	480	265	337	477	134	18	100	140

Flange (GB/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D
DN (mm)	Class									
25 (optional)	150	234	480	265	337	477	134	16	79.4	110
25 (optional)	300	246	480	265	337	477	134	18	88.9	125
25 (optional)	600	260	480	265	337	477	134	18	88.9	125

P20 (High Pressure Type) Remote Installation

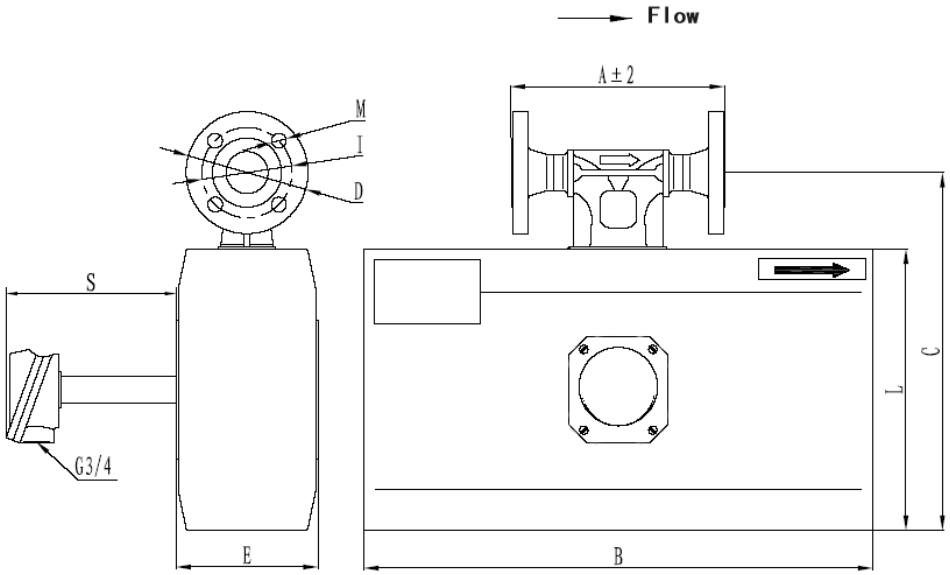


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D
DN (mm)	PN									
25 (standard)	160	232	480	265	337	477	134	14	85	115

Flange (GB/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D
DN (mm)	Class									
25 (optional)	900	275	480	265	337	477	134	16	79.4	110
25 (optional)	1,500	275	480	265	337	477	134	18	88.9	125

P20 (High Temperature Type) Remote Installation



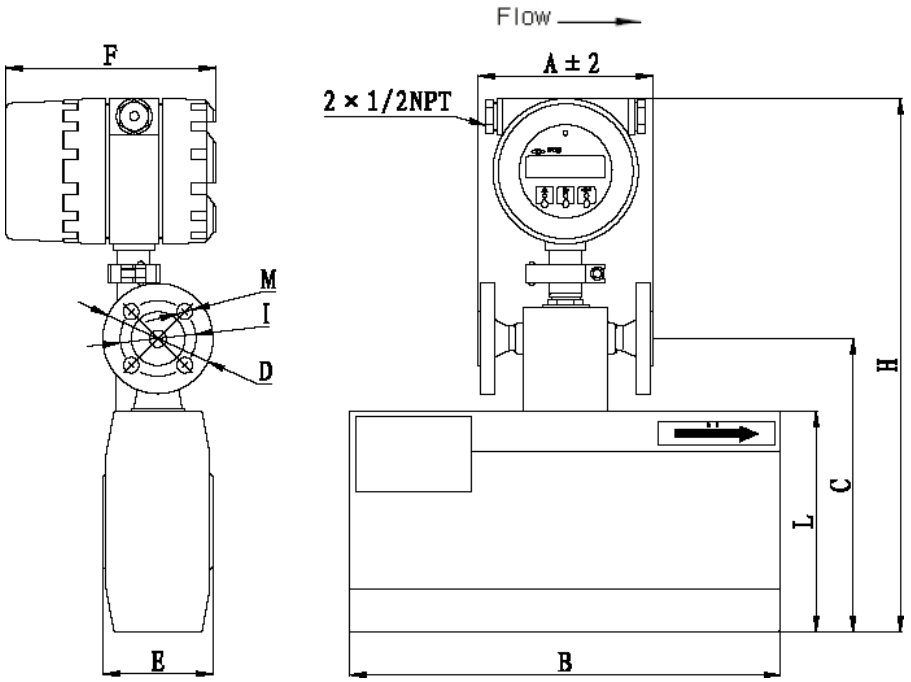
Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	S	E	M	I	D
DN (mm)	PN									
25 (standard)	40	202	480	265	337	163	134	14	85	115

Flange (GB/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	S	E	M	I	D
DN (mm)	Class									
25 (optional)	300	246	480	265	337	163	134	18	88.9	125

Note: The dimensions of P20 low temperature type products are the same.

P25 Integrated Installation

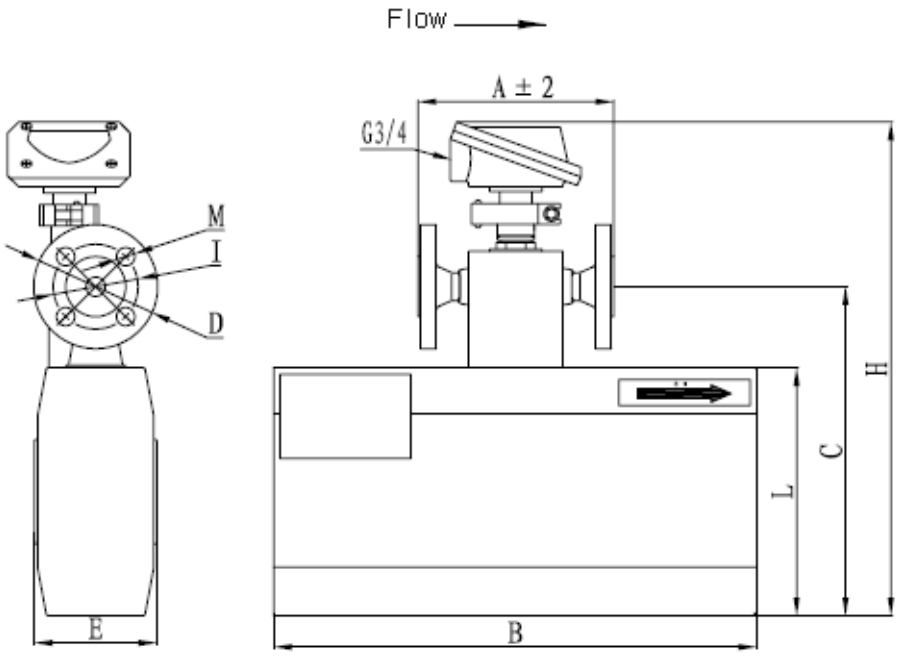


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)											
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D	F
DN (mm)	PN										
40 (standard)	40	274	615	295	383	593	146	18	110	150	180
40 (optional)	63	308	615	295	383	593	146	22	125	170	180

Flange (HG/T 20615-2009)											
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D	F
DN (mm)	Class										
40 (optional)	150	308	615	295	383	593	146	16	98.4	125	180
40 (optional)	300	320	615	295	383	593	146	22	114.3	155	180
40 (optional)	600	338	615	295	383	593	146	22	114.3	155	180

P25 Remote Installation

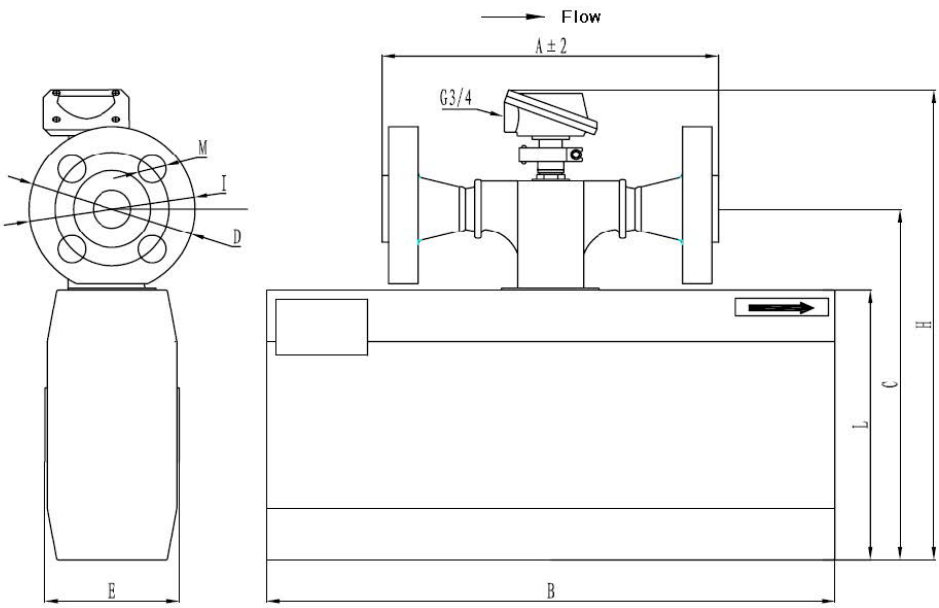


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D
DN (mm)	PN									
40 (standard)	40	274	615	295	383	516	146	18	110	150
40 (optional)	63	308	615	295	383	516	146	22	125	170

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D
DN (mm)	Class									
40 (optional)	150	308	615	295	383	516	146	16	98.4	125
40 (optional)	300	320	615	295	383	516	146	22	114.3	155
40 (optional)	600	338	615	295	383	516	146	22	114.3	155

P25 (High Pressure Type) Remote Installation

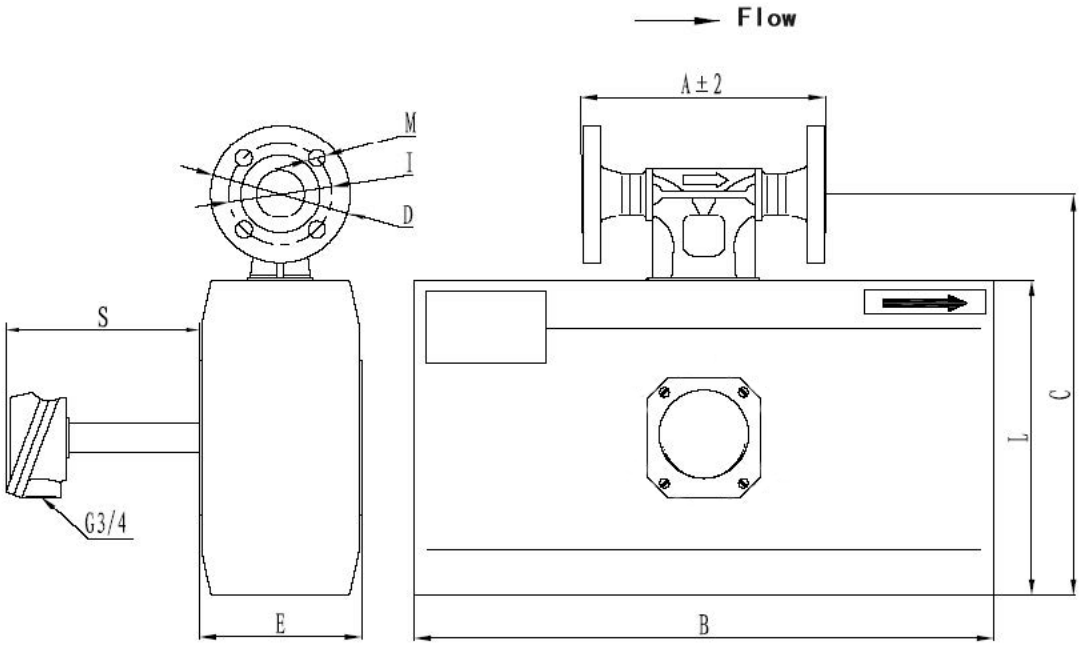


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D
DN (mm)	PN									
40 (optional)	160	308	615	295	383	516	146	22	125	170

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D
DN (mm)	Class									
40 (optional)	900	360	615	295	383	516	146	30	123.8	180
40 (standard)	1,500	360	615	295	383	516	146	30	123.8	180

P25 (High Temperature Type) Remote Installation



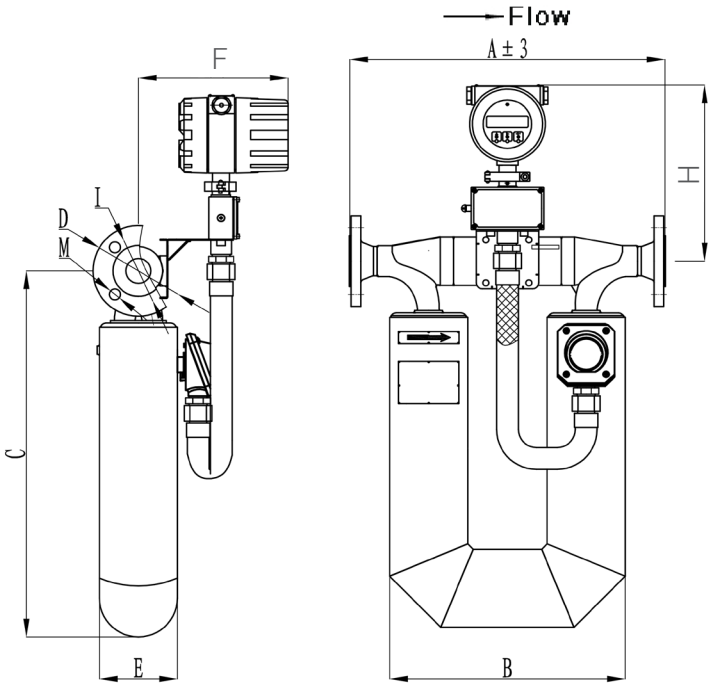
Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	L	C	H	E	M	I	D
DN (mm)	PN									
40 (standard)	40	274	615	295	383	516	146	18	110	150

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	L	C	H	E	M	I	D
DN (mm)	Class									
40 (optional)	300	320	615	295	383	163	146	22	114.3	155

Note: The dimensions of P25 low temperature type products are the same.

P40 Integrated Installation

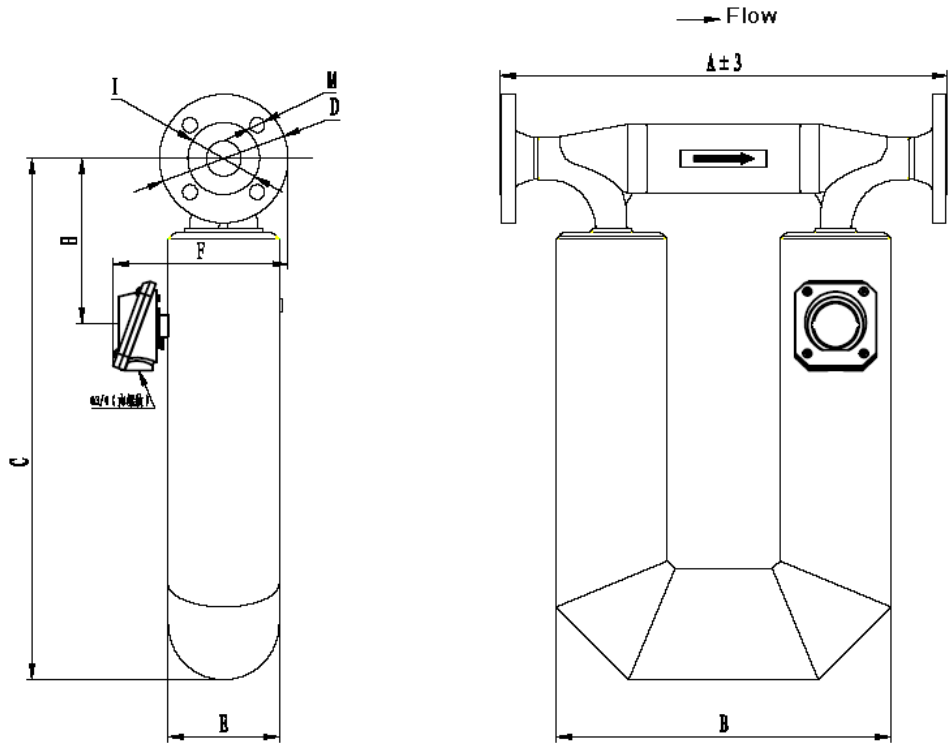


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	D	E	F	H	I	M
DN (mm)	PN									
40 (standard)	40	519	389	605	150	129	250	295	110	18
50 (optional)	40	525	389	605	165	129	250	295	125	18
40 (optional)	63	553	389	605	170	129	250	295	125	22
50 (optional)	63	553	389	605	180	129	250	295	135	22

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	D	E	F	H	I	M
DN (mm)	Class									
40 (optional)	150	553	389	605	125	129	250	295	98.4	16
50 (optional)	150	557	389	605	150	129	250	295	120.7	18
40 (optional)	300	567	389	605	155	129	250	295	114.3	22
50 (optional)	300	569	389	605	165	129	250	295	127	18
40 (optional)	600	583	389	605	155	129	250	295	114.3	22
50 (optional)	600	589	389	605	165	129	250	295	127	18

P40 Remote Installation

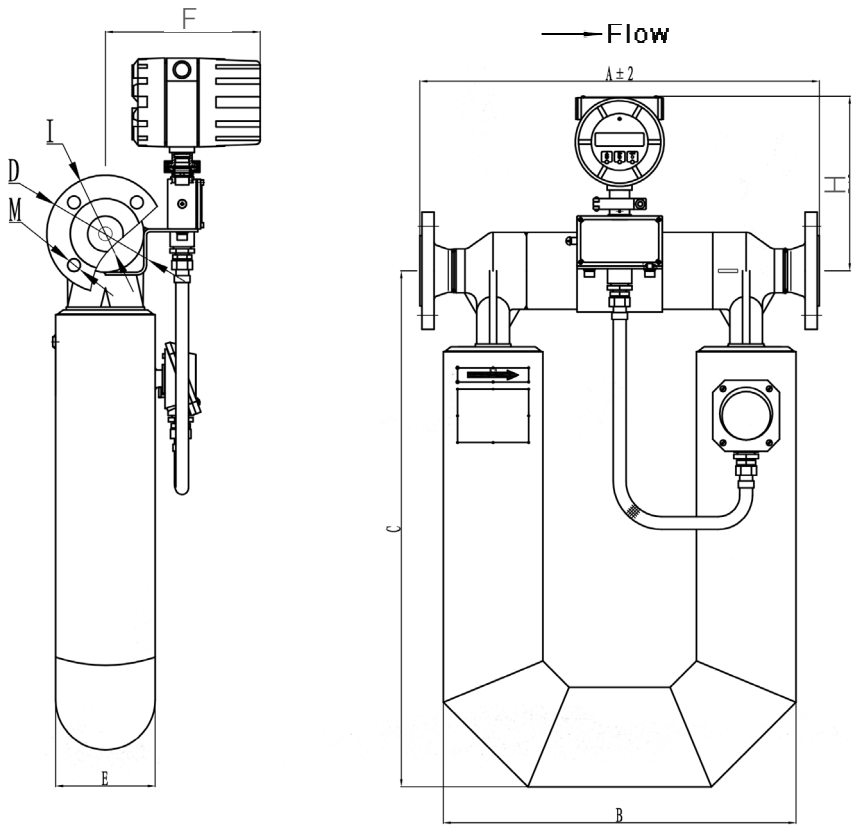


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	D	E	F	H	I	M
DN (mm)	PN									
40 (standard)	40	519	389	605	150	129	198.5	155	110	18
50 (optional)	40	525	389	605	165	129	198.5	155	125	18
40 (optional)	63	553	389	605	170	129	198.5	155	125	22
50 (optional)	63	553	389	605	180	129	198.5	155	135	22

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	D	E	F	H	I	M
DN (mm)	Class									
40 (optional)	150	553	389	605	125	129	198.5	155	98.4	16
50 (optional)	150	557	389	605	150	129	198.5	155	120.7	18
40 (optional)	300	567	389	605	155	129	198.5	155	114.3	22
50 (optional)	300	569	389	605	165	129	198.5	155	127	18
40 (optional)	600	583	389	605	155	129	198.5	155	114.3	22
50 (optional)	600	589	389	605	165	129	198.5	155	127	18

P50 Integrated Installation

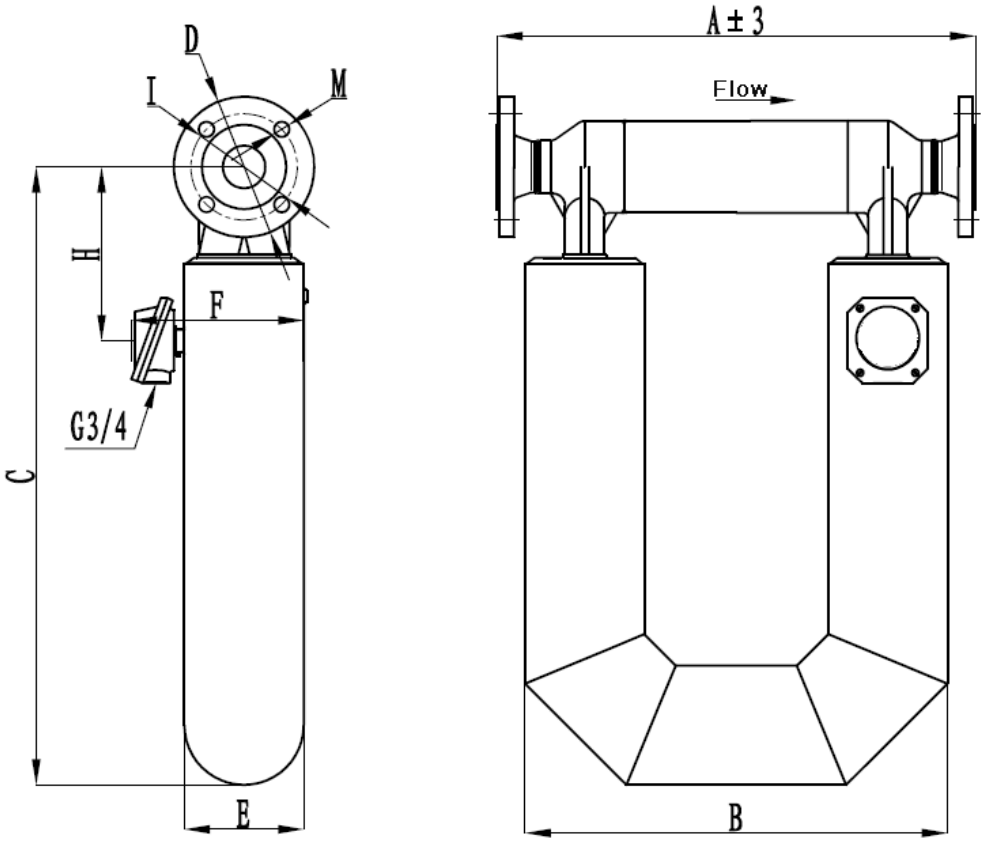


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	H	E	F	M	I	D
DN (mm)	PN									
50 (standard)	40	562	496	726	246	140	218	18	125	165
65 (optional)	40	570	496	726	246	140	218	18	145	185
50 (optional)	63	590	496	726	246	140	218	22	135	180
65 (optional)	63	602	496	726	246	140	218	22	160	205

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	H	E	F	M	I	D
DN (mm)	Class									
50 (optional)	150	594	496	726	246	140	207	18	120.7	150
65 (optional)	150	606	496	726	246	140	207	18	139.7	180
50 (optional)	300	606	496	726	246	140	207	18	127	165
65 (optional)	300	620	496	726	246	140	207	22	149.2	190
50 (optional)	600	626	496	726	246	140	207	18	127	165
65 (optional)	600	638	496	726	246	140	207	22	149.2	190

P50 Remote Installation

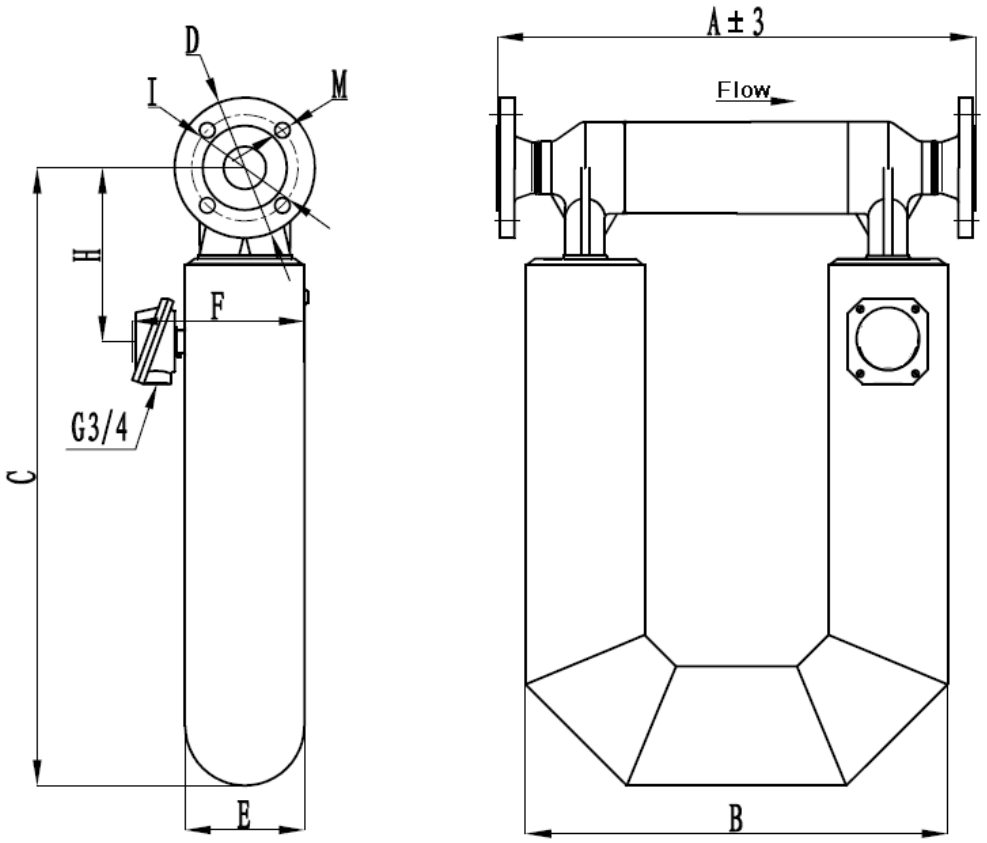


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	H	E	F	M	I	D
DN (mm)	PN									
50 (standard)	40	562	496	726	204	140	207	18	125	165
65 (optional)	40	570	496	726	204	140	207	18	145	185
50 (optional)	63	590	496	726	204	140	207	22	135	180
65 (optional)	63	602	496	726	204	140	207	22	160	205

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	H	E	F	M	I	D
DN (mm)	Class									
50 (optional)	150	594	496	726	204	140	207	18	120.7	150
65 (optional)	150	606	496	726	204	140	207	18	139.7	180
50 (optional)	300	606	496	726	204	140	207	18	127	165
65 (optional)	300	620	496	726	204	140	207	22	149.2	190
50 (optional)	600	626	496	726	204	140	207	18	127	165
65 (optional)	600	638	496	726	204	140	207	22	149.2	190

P50 (High Pressure Type) Remote Installation

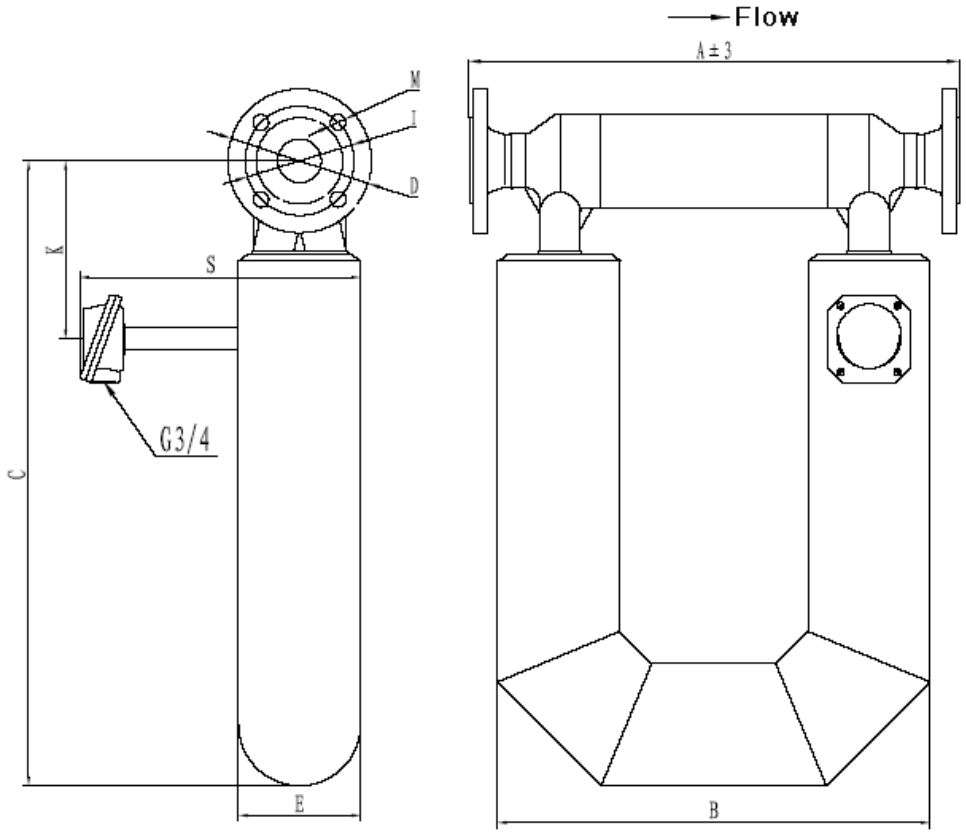


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	H	E	F	M	I	D
DN (mm)	PN									
50 (optional)	160	615	496	726	204	140	207	26	145	195
65 (optional)	160	629	496	726	204	140	207	26	170	220

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	H	E	F	M	I	D
DN (mm)	Class									
50 (optional)	900	685	496	726	204	140	207	26	165.1	215
65 (optional)	900	691	496	726	204	140	207	30	190.5	245
50 (standard)	1,500	685	496	726	204	140	207	26	165.1	215
65 (optional)	1,500	691	496	726	204	140	207	30	190.5	245

P50 (High Temperature Type) Remote Installation



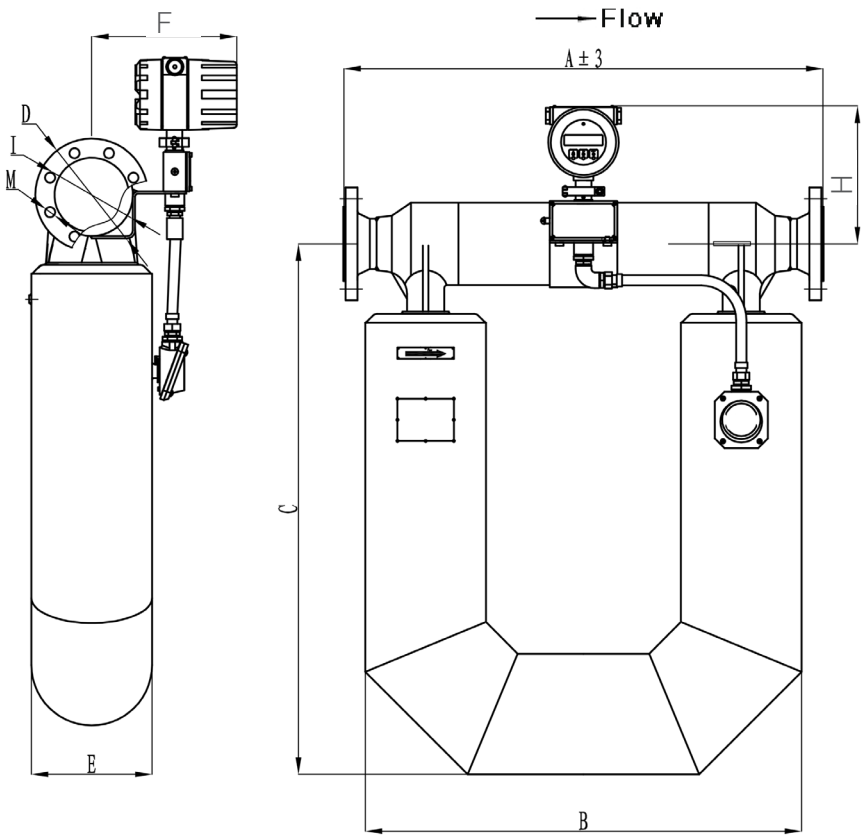
Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	S	C	K	E	M	I	D
DN (mm)	PN									
50 (standard)	40	562	496	183	726	204	140	18	125	165
65 (optional)	40	570	496	183	726	204	140	18	145	185

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	S	C	K	E	M	I	D
DN (mm)	Class									
50 (optional)	300	606	496	183	726	204	140	18	127	165
65 (optional)	300	620	496	183	726	204	140	22	149	190

Note: The dimensions of P50 low temperature type products are the same.

P80 Integrated Installation

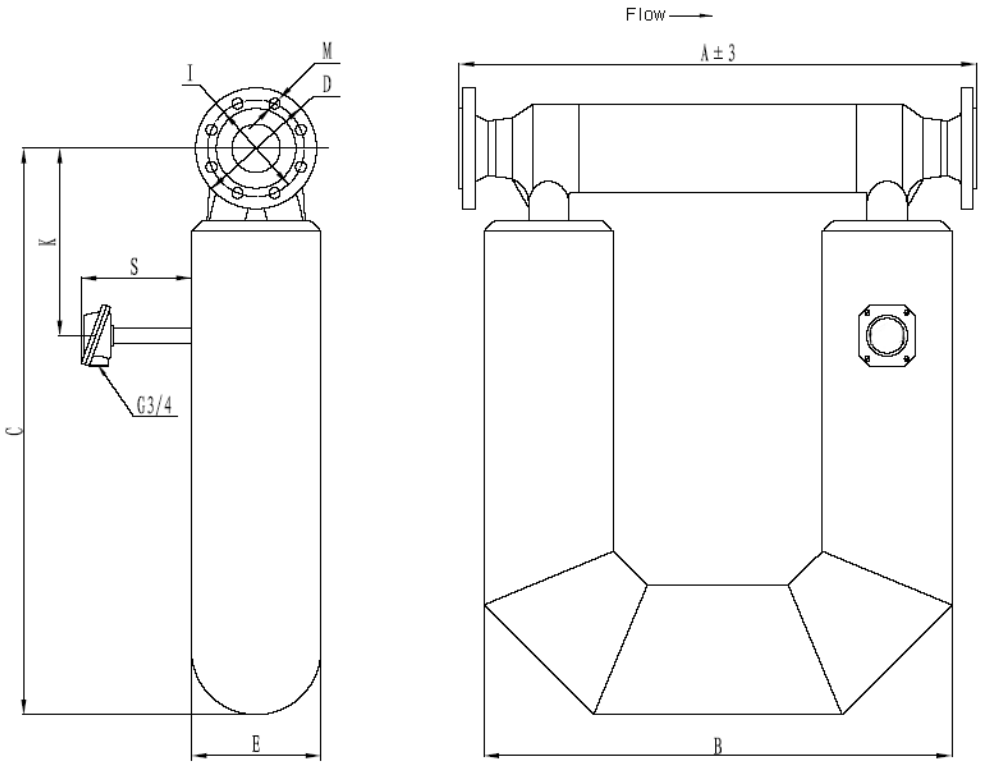


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	E	F	H	I	M	D
DN (mm)	PN									
80 (standard)	40	850	774	941	214	260	245	160	18	200
100 (optional)	40	864	774	941	214	260	245	190	22	235
80 (optional)	63	878	774	941	214	260	245	170	22	215
100 (optional)	63	890	774	941	214	260	245	200	26	250

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	E	F	H	I	M	D
DN (mm)	Class									
80 (optional)	150	874	774	941	214	260	245	152.4	18	190
100 (optional)	150	886	774	941	214	260	245	190.5	18	230
80 (optional)	300	892	774	941	214	260	245	168.3	22	210
100 (optional)	300	904	774	941	214	260	245	200	22	255
80 (optional)	600	912	774	941	214	260	245	168.3	22	210
100 (optional)	600	950	774	941	214	260	245	215.9	26	275

P80 Remote Installation

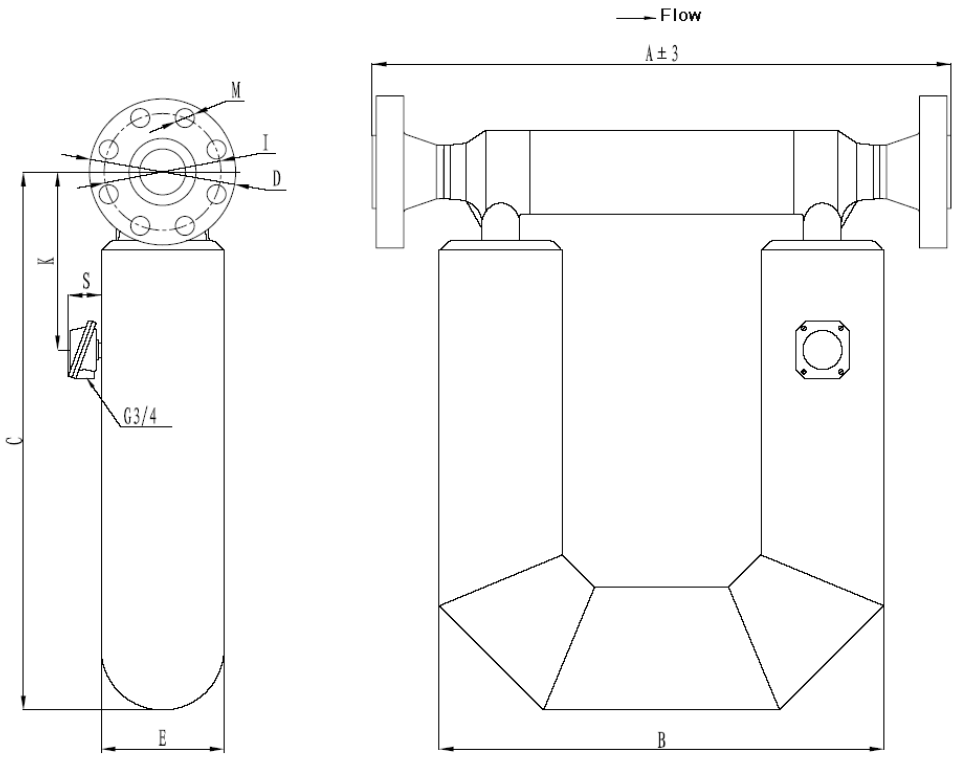


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	E	F	H	I	M	D
DN (mm)	PN									
80 (standard)	40	850	774	941	214	277	313	160	18	200
100 (optional)	40	864	774	941	214	277	313	190	22	235
80 (optional)	63	878	774	941	214	277	313	170	22	215
100 (optional)	63	890	774	941	214	277	313	200	26	250

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	E	F	H	I	M	D
DN (mm)	Class									
80 (optional)	150	874	774	941	214	277	313	152.4	18	190
100 (optional)	150	886	774	941	214	277	313	190.5	18	230
80 (optional)	300	892	774	941	214	277	313	168.3	22	210
100 (optional)	300	904	774	941	214	277	313	200	22	255
80 (optional)	600	912	774	941	214	277	313	168.3	22	210
100 (optional)	600	950	774	941	214	277	313	215.9	26	275

P80 (High Pressure Type) Remote Installation

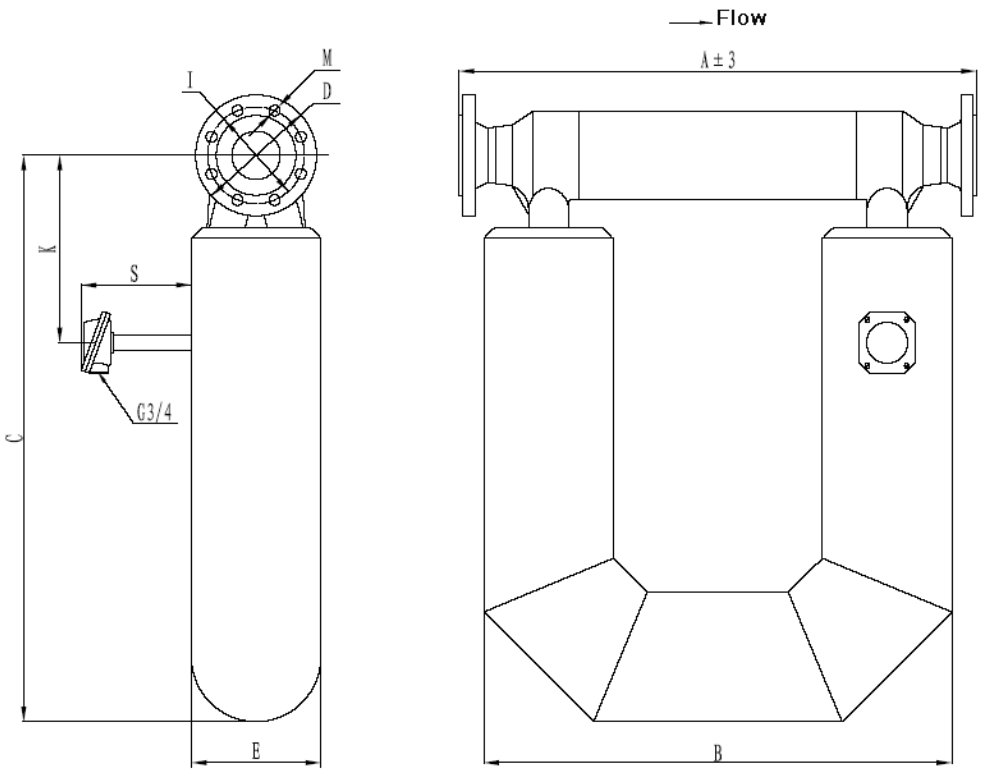


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	D	E	S	K	I	M
DN (mm)	PN									
80 (optional)	160	896	774	941	230	214	65	313	180	26
100 (optional)	160	924	774	941	265	214	65	313	210	30

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	D	E	S	K	I	M
DN (mm)	Class									
80 (optional)	900	944	774	941	240	214	65	313	190.5	26
100 (optional)	900	968	774	941	290	214	65	313	235	33
80 (standard)	1,500	974	774	941	265	214	65	313	203.2	33
100 (optional)	1,500	988	774	941	310	214	65	313	241.3	36

P80 (High Temperature Type) Remote Installation



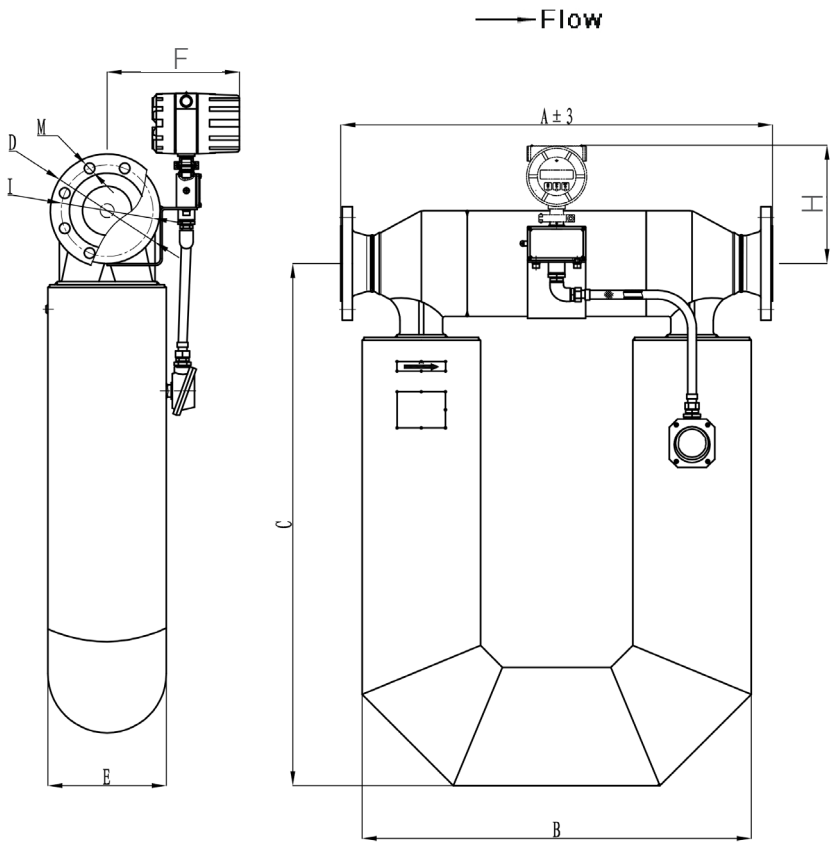
Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	D	E	S	K	I	M
DN (mm)	PN									
80 (standard)	40	850	774	941	200	214	163	313	160	18
100 (optional)	40	864	774	941	235	214	163	313	190	22

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	D	E	S	K	I	M
DN (mm)	Class									
80 (optional)	300	892	774	941	210	214	163	313	168.3	22
100 (optional)	300	904	774	941	255	214	163	313	200	22

Note: The dimensions of P80 low temperature type products are the same.

P100 Integrated Installation

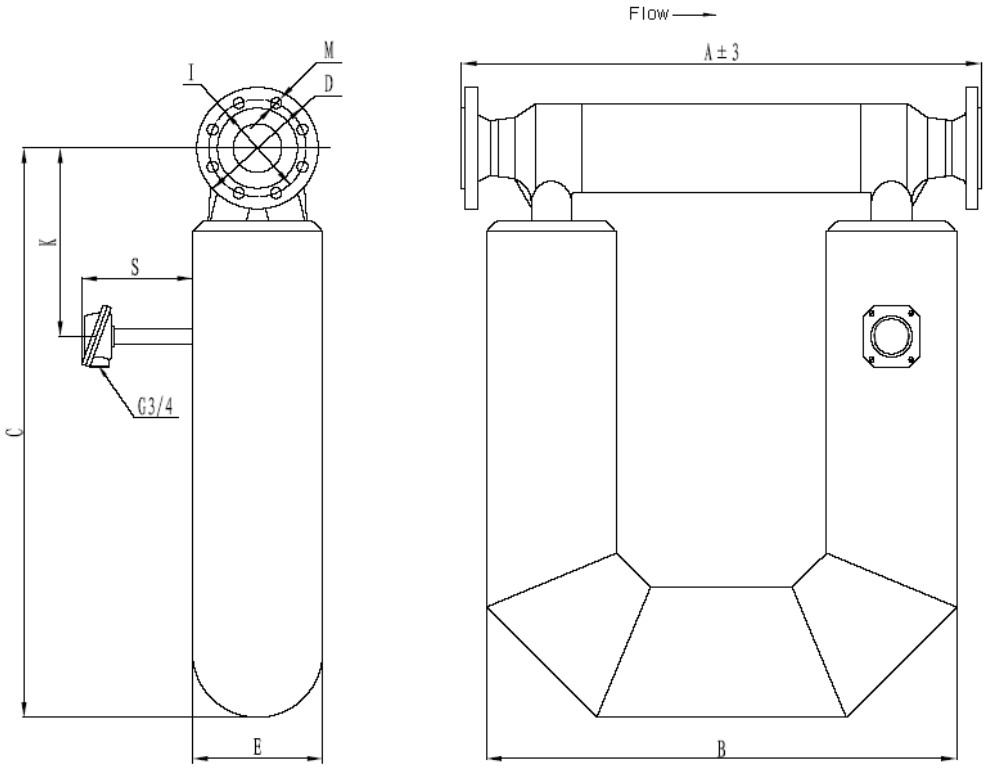


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)											
Flange (HG/T 20592-2009)		A	B	C	E	F	H	I	M	D	n
DN (mm)	PN										
100 (standard)	40	890	805	1,082	245	274	245	190	22	235	8
150 (optional)	40	910	805	1,082	245	274	245	250	26	300	8
100 (optional)	63	916	805	1,082	245	274	245	200	26	250	8
150 (optional)	63	950	805	1,082	245	274	245	280	33	345	8

Flange (HG/T 20615-2009)											
Flange (ASME B16.5-2009)		A	B	C	E	F	H	I	M	D	n
DN (mm)	Class										
100 (optional)	150	912	805	1,082	245	274	245	190.5	18	230	8
150 (optional)	150	938	805	1,082	245	274	245	241.3	22	280	8
100 (optional)	300	932	805	1,082	245	274	245	200	22	255	8
150 (optional)	300	956	805	1,082	245	274	245	269.9	22	320	12
100 (optional)	600	978	805	1,082	245	274	245	215.9	26	275	8
150 (optional)	600	1,008	805	1,082	245	274	245	292.1	30	355	12

P100 Remote Installation

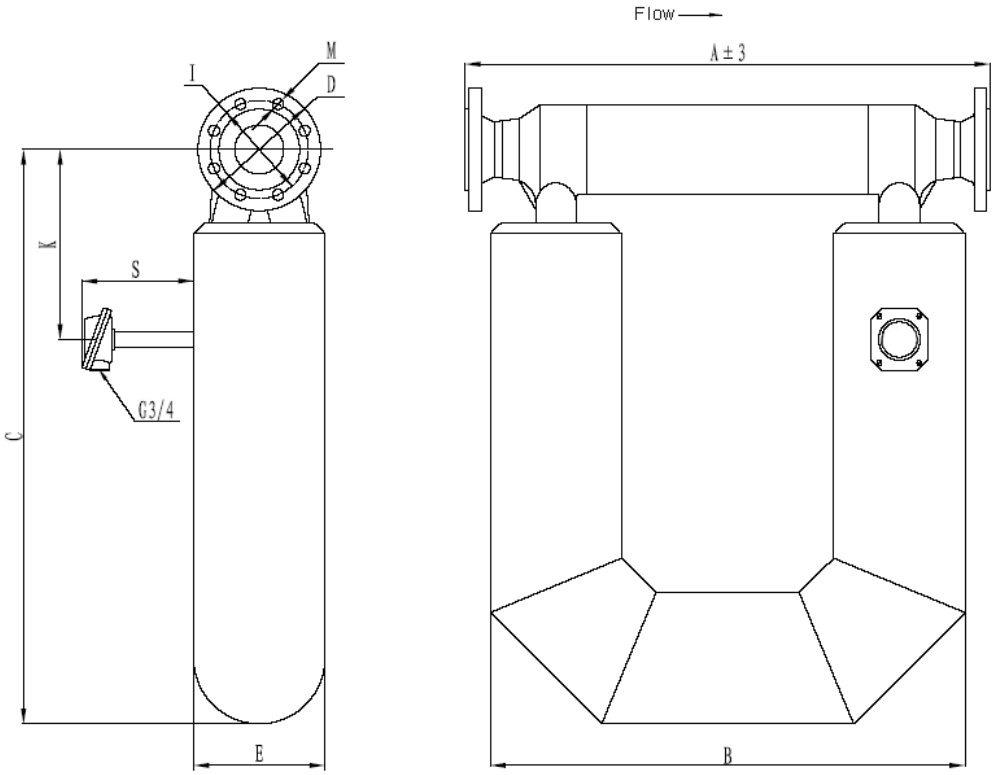


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)											
Flange (HG/T 20592-2009)		A	B	C	E	F	H	I	M	D	n
DN (mm)	PN										
100 (standard)	40	890	805	1,082	245	308	373	190	22	235	8
150 (optional)	40	910	805	1,082	245	308	373	250	26	300	8
100 (optional)	63	916	805	1,082	245	308	373	200	26	250	8
150 (optional)	63	950	805	1,082	245	308	373	280	33	345	8

Flange (HG/T 20615-2009)											
Flange (ASME B16.5-2009)		A	B	C	E	F	H	I	M	D	n
DN (mm)	Class										
100 (optional)	150	912	805	1,082	245	308	373	190.5	18	230	8
150 (optional)	150	938	805	1,082	245	308	373	241.3	22	280	8
100 (optional)	300	932	805	1,082	245	308	373	200	22	255	8
150 (optional)	300	956	805	1,082	245	308	373	269.9	22	320	12
100 (optional)	600	978	805	1,082	245	308	373	215.9	26	275	8
150 (optional)	600	1,008	805	1,082	245	308	373	292.1	30	355	12

P100 (High Temperature Type) Remote Installation



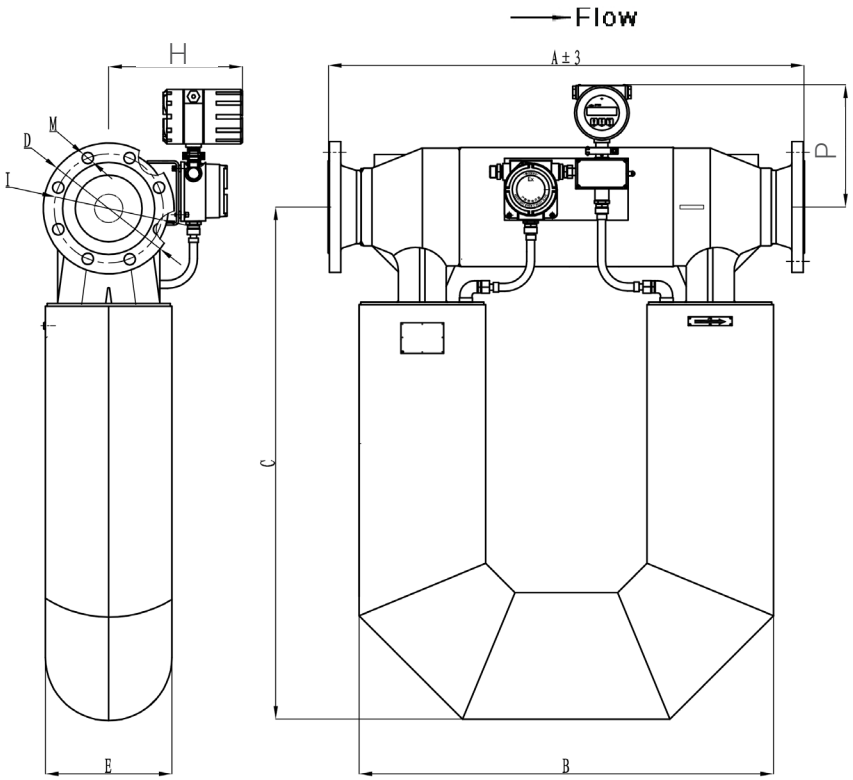
Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)											
Flange (HG/T 20592-2009)		A	B	C	E	S	K	I	M	D	n
DN (mm)	PN										
100 (standard)	40	890	805	1,082	245	163	373	190	22	235	8
150 (optional)	40	910	805	1,082	245	163	373	250	26	300	8

Flange (HG/T 20615-2009)											
Flange (ASME B16.5-2009)		A	B	C	E	S	K	I	M	D	n
DN (mm)	Class										
100 (optional)	300	932	805	1,082	245	163	373	200	22	255	8
150 (optional)	300	956	805	1,082	245	163	373	269.9	22	320	12

Note: The dimensions of P100 low temperature type products are the same.

P150 Integrated Installation

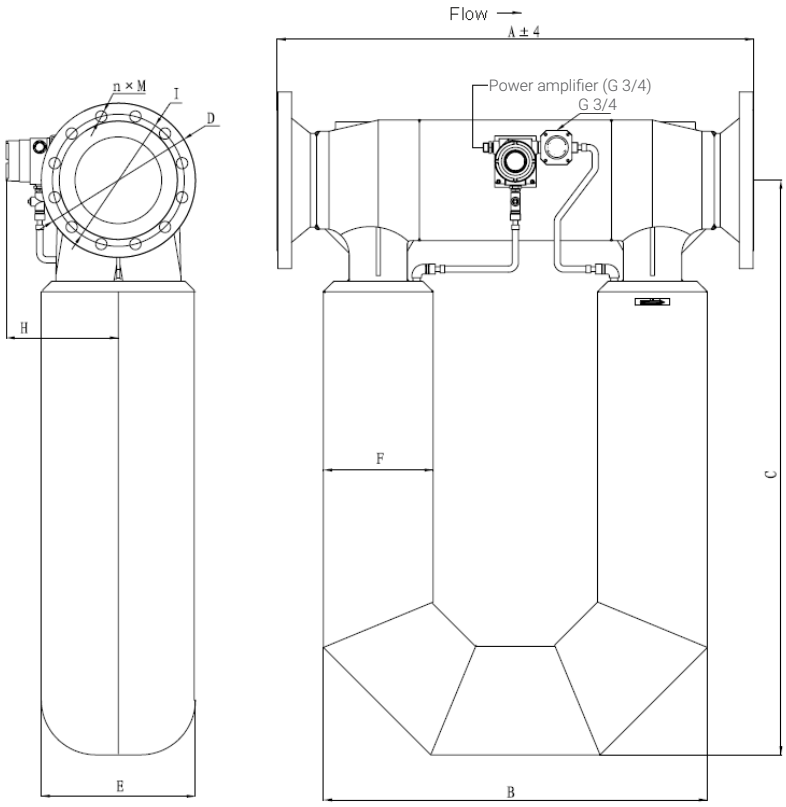


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	D	E	H	I	M	n	P
DN (mm)	PN										
150 (standard)	40	1,090	950	1,174	300	290	310	250	26	8	280
200 (optional)	40	1,116	950	1,174	375	290	310	320	30	12	280
150 (optional)	63	1,130	950	1,174	345	290	310	280	33	8	280
200 (optional)	63	1,160	950	1,174	415	290	310	345	36	12	280

Flange (HG/T 20615-2009)											
Flange (ASME B16.5)		A	B	C	D	E	H	I	M	n	P
DN (mm)	Class										
150 (optional)	150	1,118	950	1,174	280	290	310	214.3	22	8	280
200 (optional)	150	1,144	950	1,174	345	290	310	298.5	22	8	280
150 (optional)	300	1,136	950	1,174	320	290	310	269.9	22	12	280
200 (optional)	300	1,162	950	1,174	380	290	310	330.2	26	12	280
150 (optional)	600	1,188	950	1,174	355	290	310	292.1	30	12	280
200 (optional)	600	1,220	950	1,174	420	290	310	349.2	33	12	280

P150 Remote Installation



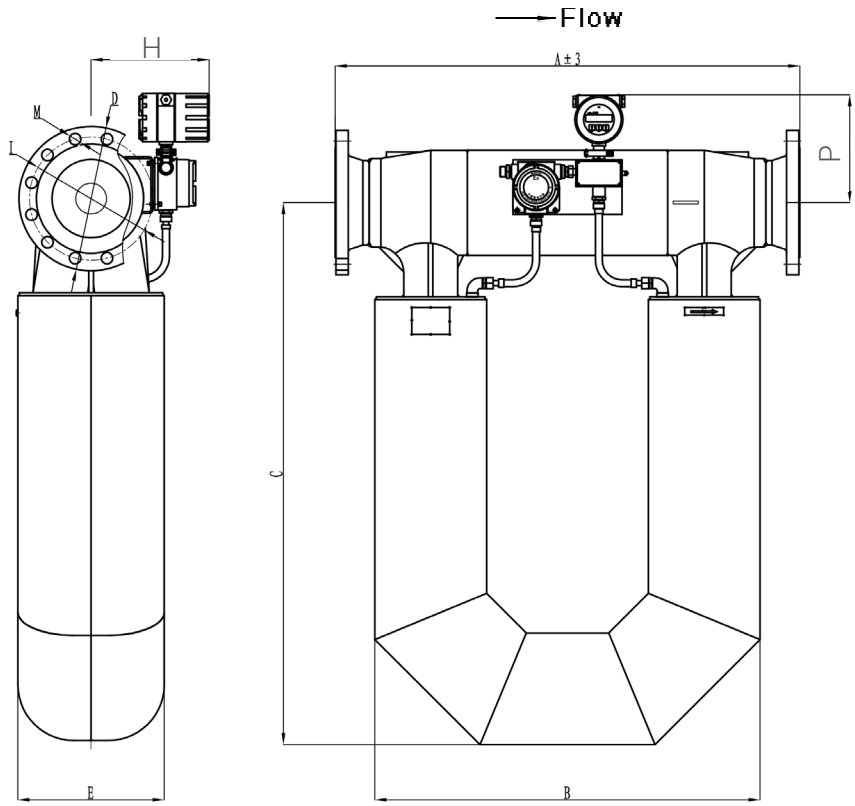
Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	D	E	H	I	M	n
DN (mm)	PN									
150 (standard)	40	1,090	950	1,174	300	290	287	250	26	8
200 (optional)	40	1,116	950	1,174	375	290	287	320	30	12
150 (optional)	63	1,130	950	1,174	345	290	287	280	33	8
200 (optional)	63	1,160	950	1,174	415	290	287	345	36	12

Flange (HG/T 20615-2009)										
Flange (ASME B16.5)		A	B	C	D	E	H	I	M	n
DN (mm)	Class									
150 (optional)	150	1,118	950	1,174	280	290	287	214.3	22	8
200 (optional)	150	1,144	950	1,174	345	290	287	298.5	22	8
150 (optional)	300	1,136	950	1,174	320	290	287	269.9	22	12
200 (optional)	300	1,162	950	1,174	380	290	287	330.2	26	12
150 (optional)	600	1,188	950	1,174	355	290	287	292.1	30	12
200 (optional)	600	1,220	950	1,174	420	290	287	349.2	33	12

Note: The dimensions of P150 high temperature type products are the same.

P200 Integrated Installation

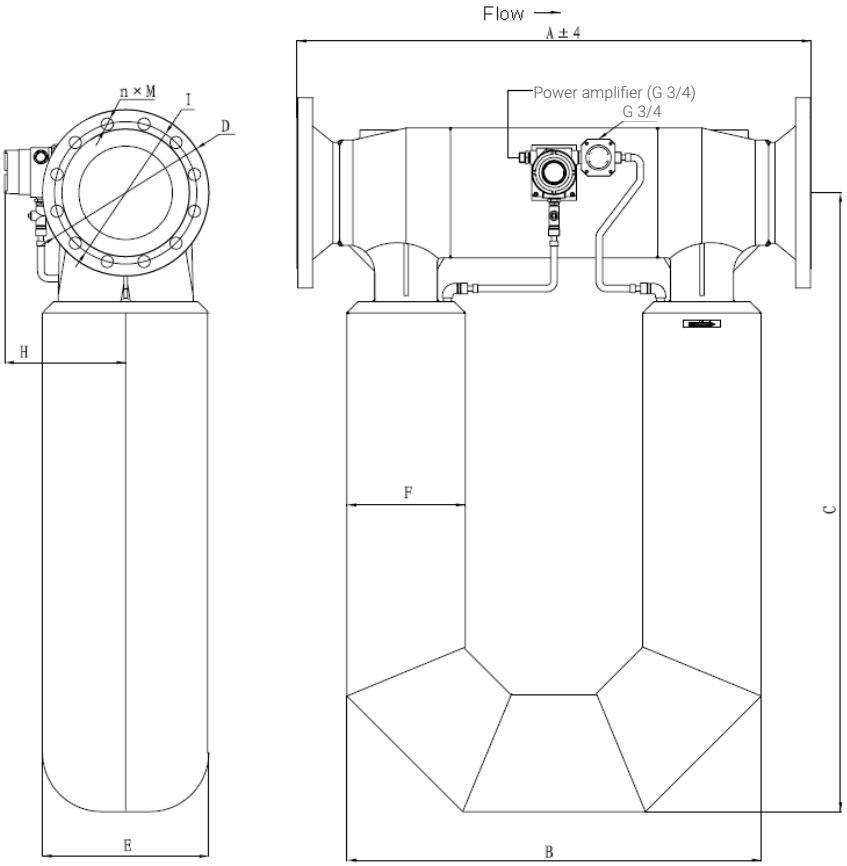


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)												
Flange (HG/T 20592-2009)		A	B	C	E	F	H	M	I	D	n	P
DN (mm)	PN											
200 (standard)	40	1,206	1,000	1,407	380	290	310	30	320	375	12	280
250 (optional)	40	1,240	1,000	1,407	380	290	310	33	385	450	12	280

Flange (GB/T 20615-2009)												
Flange (ASME B16.5)		A	B	C	E	F	H	M	I	D	n	P
DN (mm)	Class											
200 (optional)	300	1,252	1,000	1,407	380	290	310	26	330.2	380	12	280
250 (optional)	300	1,264	1,000	1,407	380	290	310	30	387.4	445	16	280

P200 Remote Installation



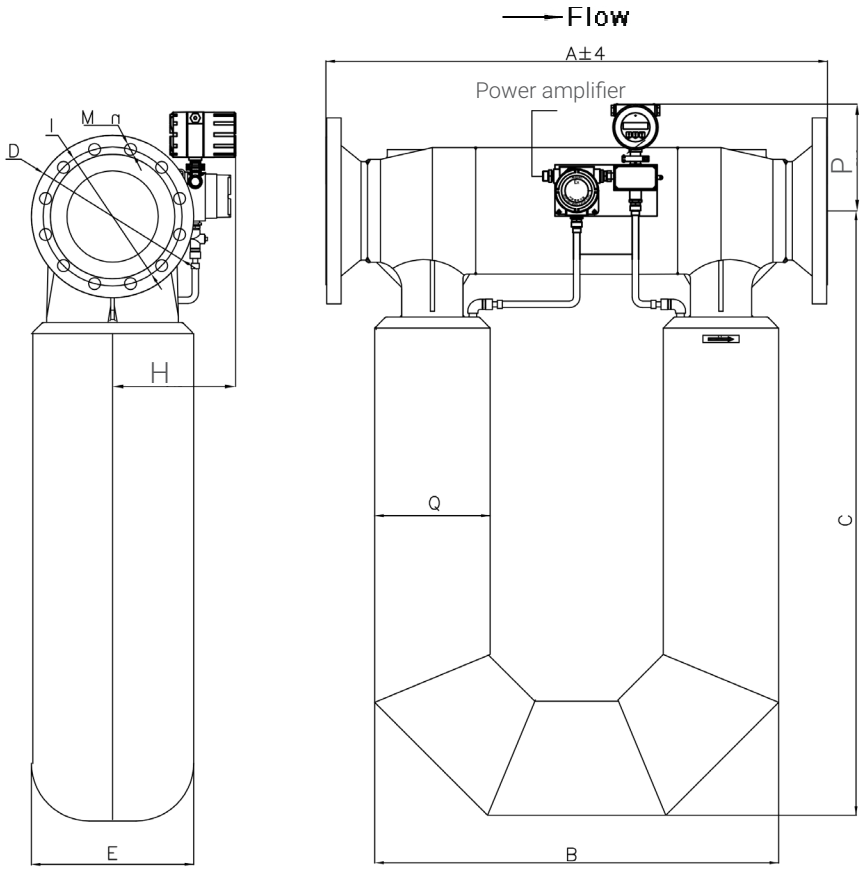
Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9124.1-2019)										
Flange (HG/T 20592-2009)		A	B	C	E	F	H	M	I	D	n
DN (mm)	PN										
200 (standard)	40	1,206	1,000	1,407	380	290	287	30	320	375	12
250 (optional)	40	1,240	1,000	1,407	380	290	287	33	385	450	12

Flange (GB/T 20615-2009)											
Flange (ASME B16.5)		A	B	C	E	F	H	M	I	D	n
DN (mm)	Class										
200 (optional)	300	1,252	1,000	1,407	380	290	287	26	330.2	380	12
250 (optional)	300	1,264	1,000	1,407	380	290	287	30	387.4	445	16

Note: The dimensions of P200 high temperature type products are the same.

P250 Integrated Installation

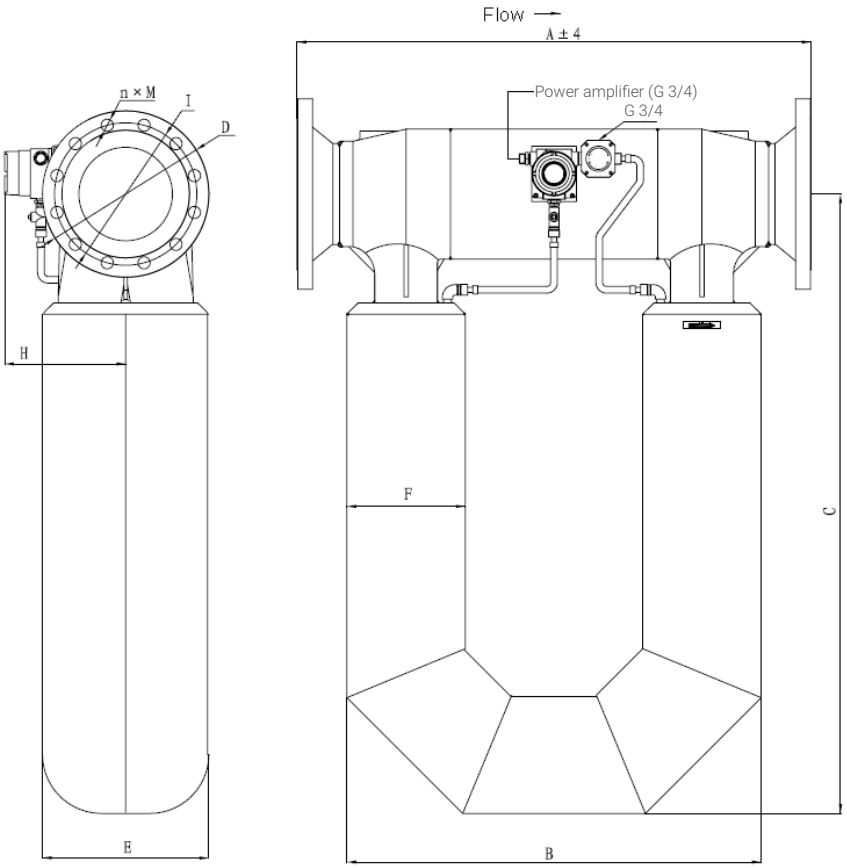


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9115-2010)												
Flange (HG/T 20592-2009)		A	B	C	E	F	H	M	I	D	n	P
DN (mm)	PN											
250 (standard)	40	1,360	1,000	1,683	448	290	341	33	385	450	12	296
300 (optional)	40	1,380	1,000	1,683	448	290	341	33	450	515	16	296

Flange (GB/T 9115-2010)												
Flange (ASME B16.5-2009)		A	B	C	E	F	H	M	I	D	n	P
DN (mm)	Class											
250 (optional)	300	1,386	1,000	1,683	448	290	341	30	387.4	445	16	296
300 (optional)	300	1,412	1,000	1,683	448	290	341	33	450.8	520	16	296

P250 Remote Installation



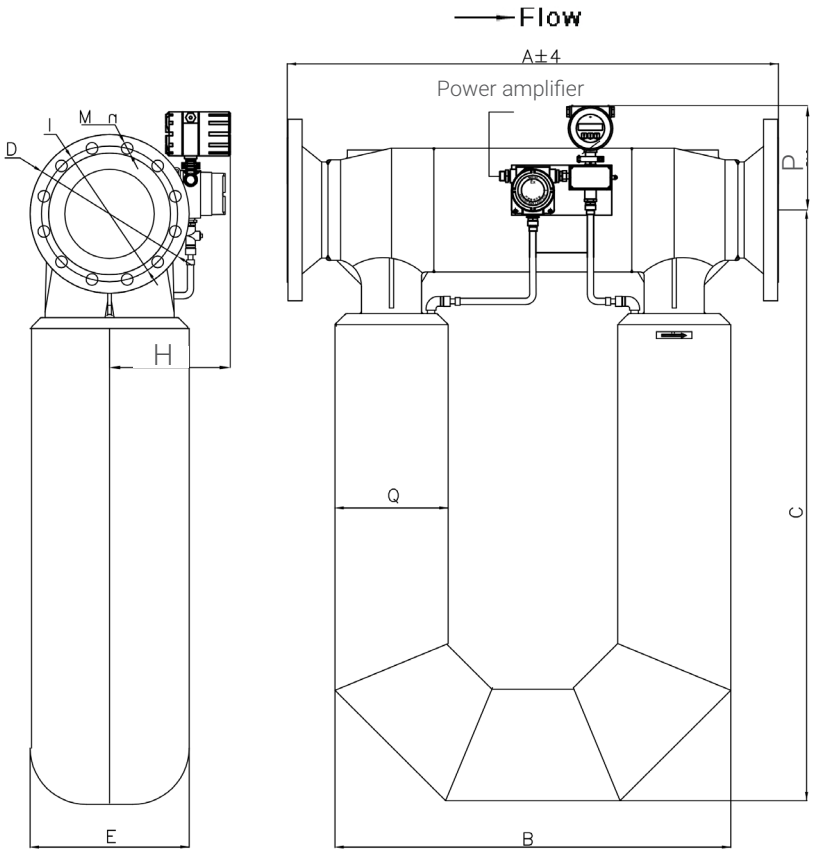
Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9115-2010)											
Flange (HG/T 20592-2009)		A	B	C	E	F	H	M	I	D	n
DN (mm)	PN										
250 (standard)	40	1,360	1,000	1,683	448	290	287	33	385	450	12
300 (optional)	40	1,380	1,000	1,683	448	290	287	33	450	515	16

Flange (GB/T 9115-2010)											
Flange (ASME B16.5-2009)		A	B	C	E	F	H	M	I	D	n
DN (mm)	Class										
250 (optional)	300	1,386	1,000	1,683	448	290	287	30	387.4	445	16
300 (optional)	300	1,412	1,000	1,683	448	290	287	33	450.8	520	16

Note: The dimensions of P250 high temperature type products are the same.

P300 Integrated Installation

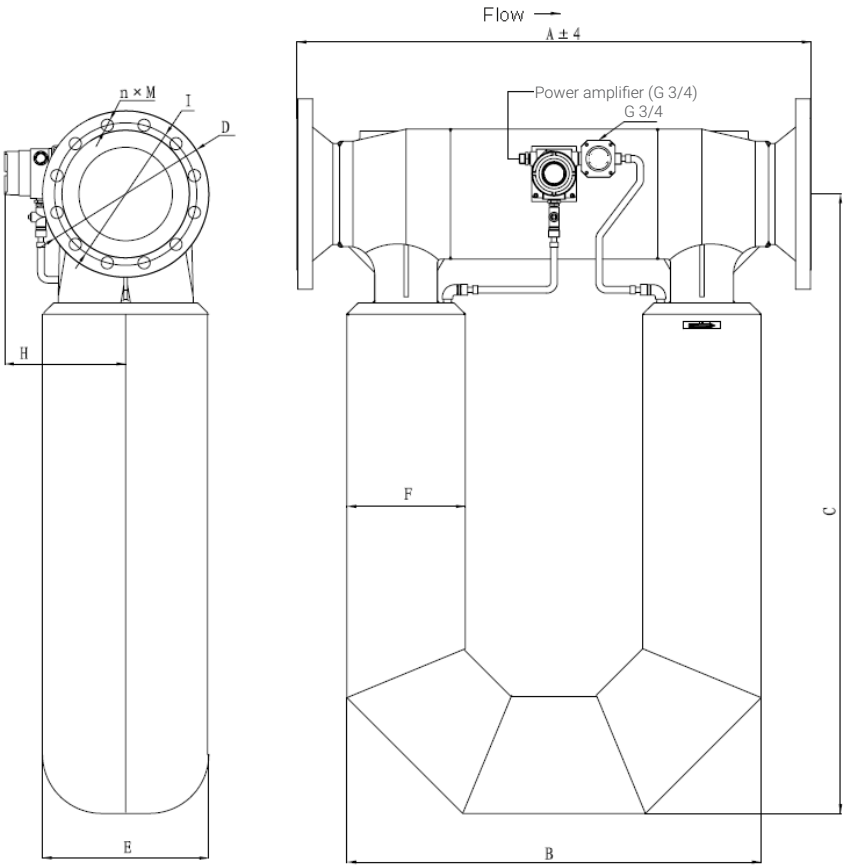


Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9115-2010)											
Flange (HG/T 20592-2009)	A	B	C	E	F	H	M	I	D	n	p
DN (mm)	PN										
300 (optional)	40	1,380	1,000	1,683	448	290	341	33	450	515	16	296

Flange (GB/T 9115-2010)											
Flange (ASME B16.5-2009)	A	B	C	E	F	H	M	I	D	n	p
DN (mm)	Class										
300 (optional)	300	1,412	1,000	1,683	448	290	341	33	450.8	520	16	296

P300 Remote Installation



Note: The listed flanges in the below tables are welding-neck steel pipe flanges RF.

Flange (GB/T 9115-2010)											
Flange (HG/T 20592-2009)		A	B	C	E	F	H	M	I	D	n
DN (mm)	PN										
300 (optional)	40	1,380	1,000	1,683	448	290	287	33	450	515	16

Flange (GB/T 9115-2010)											
Flange (ASME B16.5-2009)		A	B	C	E	F	H	M	I	D	n
DN (mm)	Class										
300 (optional)	300	1,412	1,000	1,683	448	290	287	33	450.8	520	16

Note: For the model P100, P150, P200, P250, the ambient temperature of the power amplifiers is -40 to +55℃.

It is not allowed to cover or wrap, nor apply heat tracing to the power amplifiers in the process of heat tracing, otherwise the internal components will be damaged.

P Series Mass Flow Selection Table

Order Information

Option Title	Code	Code Information Description
Series	P	Coriolis mass flow meter
Sensor model	1	(0 to 35) kg/h
	2	(0 to 100) kg/h
	5	(0 to 300) kg/h
	10	(0 to 1,000) kg/h
	15	(0 to 3,000) kg/h
	20	(0 to 6,300) kg/h
	25	(0 to 17,000) kg/h
	40	(0 to 27,000) kg/h
	50	(0 to 63,000) kg/h
	80	(0 to 160,000) kg/h
	100	(0 to 360,000) kg/h
	150	(0 to 550,000) kg/h
	200	(0 to 1,100,000) kg/h
	250	(0 to 1,800,000) kg/h
	300	(0 to 2,000,000) kg/h
Power amplifier power supply	H1	Equipped with power amplifier 24 V DC (suitable for DN150 and above)
	H2	Equipped with power amplifier 220 V AC (suitable for DN150 and above)
	HZ	Special orders
	H0	None
Transmitter model	D100	DPT100【Accuracy 0.1, Chinese interface, IP67, Exde[ib]IICT6, remote installation】
	D101	DPT100【Accuracy 0.1, Chinese interface, IP67, Exde[ib]IICT6, integrated installation】
	D102	DPT100【Accuracy 0.1, English interface, IP67, Exde[ib]IICT6, remote installation】
	D103	DPT100【Accuracy 0.1, English interface, IP67, Exde[ib]IICT6, integrated installation】
	D104	DPT100【Accuracy 0.1, Russian interface, IP67, Exde[ib]IICT6, remote installation】
	D105	DPT100【Accuracy 0.1, Russian interface, IP67, Exde[ib]IICT6, integrated installation】
Sensor material	B	Measuring tube material is 316L and other 304, temperaturer range (-50 to 200)℃
	C	Measuring tube material is 316L and other 304, temperature range (-50 to 350)℃
	R	Wetted material is 316L, steam heat tracing type
	D	Wetted material is 316L, electric heat tracing type
	L	Wetted material is 316, temperature range (-50 to 200)℃
	M	Wetted material is 304L, temperature range (-50 to 200)℃
	H	Wetted material is Hastelloy C-22, temperature range (-50 to 200)℃
	T	Special orders
Transmitter power supply	0	None
	1	18 V DC to 36 V DC
	2	85 V AC to 265 V AC
	3	Self-adaptive power supply (18 to 36) VDC or (85 to 265) VAC
Process connection type	A	GB/T 9124.1-2019 4MPa WN-RF

Option Title	Code	Code Information Description
	C	GB/T 9124.1-2019 6.3MPa WN-RF
	E	The HG/T 20615-2009 Class300 WN-RF
	F	ASME B16.5 Class150 WN-RF
	G	ASME B16.5 Class300 WN-RF
	I	The HG/T 20592-2009 4MPa WN-RF
	K	ASME B16.5 Class600 WN-RF
	T	Special orders
Process connection size	B	DN15
	D	DN25
	F	DN40
	G	DN50
	H	DN65
	I	DN80
	J	DN100
	L	DN150
	M	DN200
	N	DN250
	O	DN300
	T	Special orders
Accessories	0	None
	1	10 meters cable
	2	Carbon steel counter flange, bolts and nuts metal gaskets, 10 meters cable
	3	Stainless steel counter flange, bolts and nuts, metal gaskets, 10 meters cable
	4	Carbon steel counter flange, bolts and nuts, metal gaskets
	5	Stainless steel counter flange, bolts and nuts, metal gaskets
	9	Special orders
Electrical interfaces	W	None
	M	M20
	N	1/2NPT
	P	3/4NPT
	G	G1/2
	E	G3/4
	T	Special orders
Output	0	NONE
	1	Active (4 to 20) mA, active (0 to 10) kHz, RS-485/Modbus RTU
	5	Active (4 to 10) kHz, passive (4 to 20) mA + HART, RS-485/Modbus RTU
	6	Active (0 to 10) kHz, active (4 to 20) mA + HART, RS-485/Modbus RTU
	7	Passive (0 to 10) kHz, active (4 to 20) mA + HART, RS-485/Modbus RTU
	8	Active (0 to 10) kHz, passive (4 to 20) mA + HART, RS-485/Modbus RTU
	9	Special orders

OPtion Title	Code	Code Information Description
Measuring modes	B	General measurement type
	C	Water contents measurement type
	D	Gas measurement type
	G	Flow velocity measurement type
	Z	Undefined

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