

Flap Flowmeter CLAP24 DN300



Datasheet

Functional Characteristics

Pipe Section	DN300	mm	
Nominal Flow	1629	gpm	(1)
Maximum Flow	1629	gpm	
Minimum detection threshold	3.26	gpm	(1)
Hysteresis	0.05 to 10	degrees	
Latency	1 to 10	seconds	
Measurement interval (programmable)	≥1	seconds	
Accuracy (with calibration certificate)	2	%	(1)(3)

Standard measurement cell in 316L stainless steel

1.300.0101	Measurement cell DN300
1.300.0102	Hinged flap DN300 3 mm thickness
1.300.0103	Top access panel
1.300.0104	Upstream or downstream ASME CLASS 150 flanges

Standard electronic enclosure

2.801.0101	ABS enclosure for electrical panel mount (IP54)
2.801.0201	Microcontroller management & computing module
2.801.0202	12-bit ADC with analog flow output
2.801.0203	Bluetooth module
2.801.0401	Software version V4.01 (2)

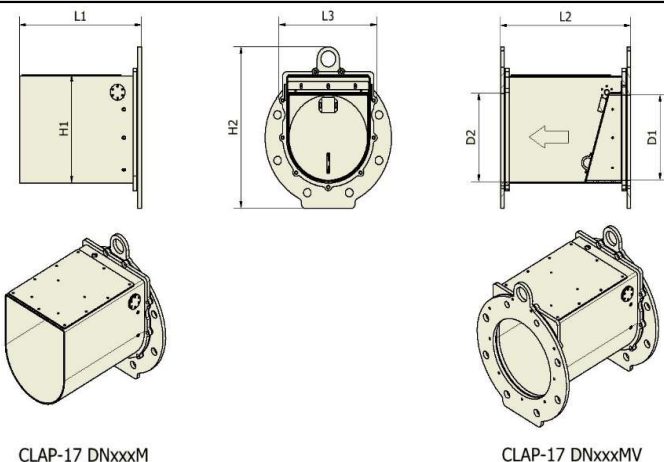
Options (2)

1.300.0105	Additional CLASS 150 ASME flange
1.300.0302	Set of 3 calibration shims
3.801.0402	LCD Display, 4 lines / 20 characters
3.801.0310	Downstream level influence compensation
3.801.0311	Data Logger
3.801.0312	Ultra-low power
3.801.0313	Sampler control
3.801.0314	Flow regulation

Electrical Characteristics

	Number	Type	Value
Power Supply	1	DC Low Voltage	12 ou 24V
Analog Input	1	Active/passive	4-20mA
Analog Output	1	Active/passive	4-20 mA
Counter Pulses	1	Relay Contact	0.5 A
Sampler Pulses	1	Relay Contact	0.5 A
Threshold Alarm	1	Relay Contact	0.5 A
Fault Relay	1	Relay Contact	0.5 A
Analog Output Control	1	Relay Contact	0.5 A
Valve Control	2	Transistor	12-24V

For in-line installation
 For regulatory calibration
 Available on the front panel of the electronic enclosure
 Requires a level probe with 4-20mA output installed downstream
 Timestamps, summaries, histories, Excel format
 Battery life varies depending on measurement interval
 Programmable pulses based on volume
 ON/OFF control of valve (PI regulation algorithm)



Dimensions in mm (2)	
D1	308
D2	320
L1	474
L2	494
L3	328
H1	360
H2	500

Weight in kg (2)	
M	34.9
MV	44.5

(1) The values quoted are valid for pure water at 20°C, viscosity 100×10^{-5} N s/m², at standard atmospheric pressure

(2) These specifications apply to version 3.04 products.

(3) The 2% accuracy is based on bench calibration with traceable standards. Calibration certificate is optional.

All specifications are indicative and not guaranteed.

Detailed specifications and characteristics will be detailed with quotes and finalized upon ordering.

Updated : 3/19/2026

Registered Trademark

r1.0

GravityFlow, Inc. CA - 31 South Claremont Street - San Mateo, CA 94401