Flap Flowmeter CLAP24 DN150

GRAVITYflow

Datasheet

Functional Characteristics

Pipe Section	DN150	mm	
Nominal Flow	264	gpm	(1)
Maximum Flow	264	gpm	
Minimum detection threshold	0.53	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

1.150.0101	Measurement cell DN150
1.150.0102	Hinged flap DN150 2 mm thickness
1.150.0103	Top access panel
1.150.0104	Upstream or downstream ASME CLASS 150 flanges

Standard electronic enclosure

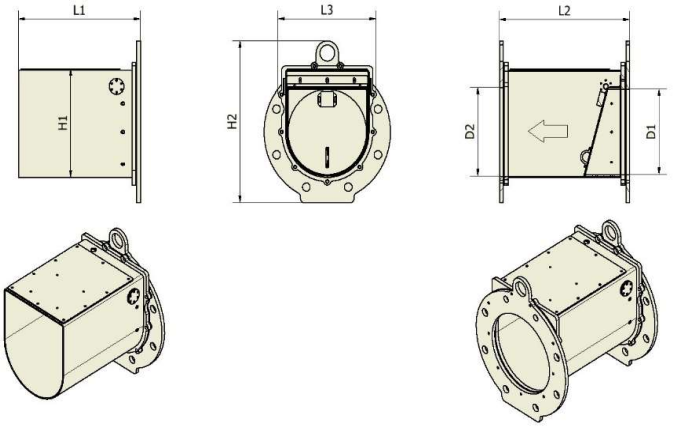
2.801.0101	ABS enclosure for electrical panel mount (IP54)
2.801.0201	Microcontroller management & computing module
2.801.0202	12-bit ADC with analog flow output
2.801.0203	Bluetooth module
2.801.0401	Software version V4.01 (2)

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 Ouput Control	1	Relay Contact	0.5 A
Valve Control	2	Transistor	12-24V

Options (2)

1.150.0105	Additional CLASS 150 ASME flange	For in-line installation
1.150.0302	Set of 3 calibration shims	For regulatory calibration
3.801.0402	LCD Display, 4 lines / 20 characters	Available on the front panel of the electronic encosure
3.801.0310	Downstream level influence compensation	Requires a level probe with 4-20mA output installed downstream
3.801.0311	Data Logger	Timestamps, summaries, histories, Excel format
3.801.0312	Ultra-low power	Battery life varies depending on measurement interval
3.801.0313	Sampler control	Programmable pulses based on volume
3.801.0314	Flow regulation	ON/OFF control of valve (PI regulation algorithm)



CLAP-17 DNxxxM

CLAP-17 DNxxxMV

Dimensions in mm (2)	
D1	160
D2	168
L1	205
L2	220
L3	180
H1	195
H2	

Weight in kg (2)	
M	
MV	

(1) The values quoted are valid for pure water at 20°C, viscosity 100x10 $^{-5}$ 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.