

Vortex Flow Monitor

Eggs DELTA Pulse



- Made of PPS resin: compact, lightweight, and economical.
- Ideal for consumption management of energy-fluids or coolant, as well as end-of-process flow monitoring via installation to various equipment.
- Capable of measuring wide range of liquid and gas.
- Resistant to dust and mist. Capable of wet-gas measurement.
- Maintenance free due to absence of moving parts.
- ATEX, TIIS compliant.

■ GENERAL SPECIFICATIONS

Item		Description								
Nominal size		4mm	8mm	15mm	25mm					
Flow range	Water	0.4 to 4	1.1 to 15	2.8 to 45	8.3 to 133					
(L/min)	Air	7.2 to 17	18 to 90	55 to 283	167 to 850					
Process connection		R male (resin), NPT male (resin), Rc female (metal)								
Enclosure		Non-explosionproof or explosionproof								
Accuracy		Liquid: ±2% of full scale or better Gas: ±3% of full scale or better								
Max. operating pressure		0.98MPa								
Fluid temp. range		Standard: -20 to +80°C Explosionproof: -20 to +60°C								
Ambient temp. range		-20 to +60°C								
Major Materials		Meter body, Transmitter housing: PPS resin (Polyphenylene sulfide) O-ring: Viton								
Power supply		12 to 24VDC								
Output		Flow pulse: Open collector (Capacity: 30VDC, 20mA), Pulse width: Duty ratio 1:1 approx.								
Dusttight/waterproof rating		IP65 (*1)								
Installation location		Free from rain and water with minimal temperature variation, not exposed to the sun.								

^{*1:} IP ratings vary according to structures.

■ UNFACTORED PULSE UNITS OF MEASUREMENT (NOMINAL VALUES)

Nominal size	Pulse un	its mL/P	Freq. at max. flowrate (Hz)		
(mm)	Liquid	Gas	Liquid	Gas	
4	0.0890	0.890	750	320	
8	0.5406	5.406	460	280	
15	2.363	23.63	320	200	
25	12.66	126.6	180	120	

■ EXPLOSIONPROOF RATINGS

		Flowmeter	Barrier
Exp.	TIIS	Exia IIB T4	(Exia)IIB
ratings	ATEX	Exia IIB T4 Ga/Gb	(Exia Ga)IIB

^{*} Barrier to be installed in a nonhazardous area.

■ EMC SPECIFICATIONS

Applicable EU directives	EMC directives: 2014/30/EU			
Applicable standards, etc.	EMC directives:EN61326-1 Class A			

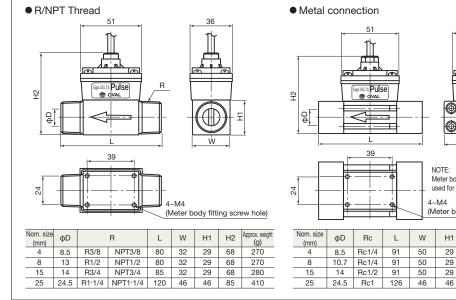
■ PRODUCT CODE EXPLANATION

Item -					Со	de l	No.					Description		
пеш	1	2	3	4	⑤	-	6	7	8	9	10	Description		
Model	F	L	Р									Eggs DELTA Pulse		
0 4 -									4mm					
Naminal sina			0	8	-						8mm			
Nominal S	Nominal size			1	5	-						15mm		
	2 5 -				-						25mm			
Acceptable	A L 1						L	1				Liquid		
Acceptabl	Acceptable fluids G 2						G	2				Gas		
Р									Р			R (male thread) Process connection material : PPS		
Process connection S								S			Rc (female thread) Process connection material : SCS14A			
N								N			NPT (male thread) Process connection material : PPS			
Version B										В		Always "B"		
Construction											0	Non-explosionproof		
											1	TIIS Intrinsically safe enclosure: Sensor + barrier		
											2	ATEX Intrinsically safe enclosure: Sensor + barrier		

■ BARRIER

Item	Description
Power	12 to 24VDC
Current drain	10mA max.
Pulse output	Open collector pulse (Capacity: 30VDC, 20mA)
Operating temp. range	-20 to +50°C
Major parts material	Housing : Polycarbonate
Dusttight, waterproof enclosure	IP30

■ OUTLINE DIMENSIONS



Unit: mm Barrier 17.5 +0.5 98.8 DIN EN 50022-35 Meter body fitting screws cannot be used for model FLP25. Approx. weight: 60g (Meter body fitting screw hole) H2 (g) 650 68 68 650 68 650 85 950

The specification as of January, 2021 is stated in this catalog. Specifications and design are subject to change without notice.



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