

principle and characteristics

SN51C series plug-in impeller flow sensor is also an intelligent flow switch, is a delicate type of flow sensor, has the advantages of small size, simple setting, built-in intelligent circuit, can be arbitrarily set the upper and lower limit of the flow alarm value, remote monitoring of real-time flow status, full parameter arbitrary setting on the scene, The impeller measuring medium through the flow through the sensor intelligent circuit processing after arbitrary programming.

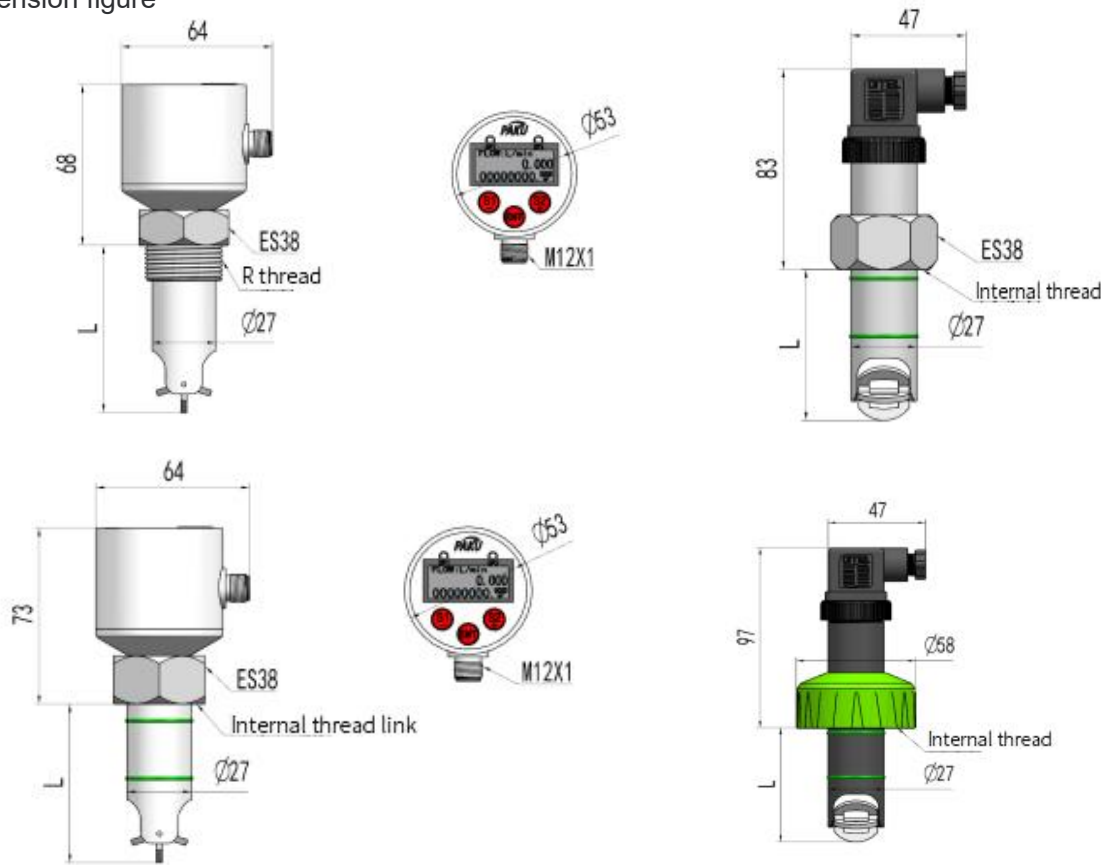
- ◆ Hall type pulse output, open collector PNP/NPN, strong driving ability
- ◆ has high chemical corrosion resistance
- ◆ IP65 protection grade, suitable for harsh field environment
- ◆ Plug-in type easy to install
- ◆ good stability, strong anti-interference ability
- ◆ good reliability, free maintenance



technical index

Velocity Range		0.15 ~ 6m/s
Pipe Scope		DN15–DN600 (½ –24 in.)
supply voltage		DC 5 ~ 24V
Repeatabilityaccuracy/linearaccuracy		± 0.5% full scale / ± 1.0% full scale
Minimum Reynolds number		4500
Temperature and pressure	PP noumenon	12.5bar@25℃ 1.7bar@90℃ PVDF 本体 14.0bar@25℃ 1.7bar@100℃
	PVDF ontology	14.0bar@25℃ 1.7bar@100℃
flow passage components	Sensor body	PP/PVDF
	O-ring	FPM/EPDM
	impeller	PP/PVDF/PTFE
	Bearing/shaft	High temperature oxidation pick ZrO2 (ceramic), titanium alloy, Hastelloy alloy C

dimension figure



Selection table

SN51C-	1	A...	A	1	A	specification
SN51C-						SN51C Series Plunge Impeller Flow Sensor
	1					On the display
	2					no display
		A				pipe diameter: DN15–DN100
		B				pipe diameter: DN125–DN200
		C				pipe diameter: DN250–DN600
		DN...				Please indicate the specific pipe diameter when ordering
			A			Impeller material: PP
			B			Impeller material: PVDF
			C			Impeller material: ABS
			D			Impeller material: PTFE
				1		Body material: 304 stainless steel
				2		material of body: PP
				3		material of body: CPVC
				4		material of body: PVDF
				5		material of body: PTFE
					A	hinge: ZrO2
					B	Rotating shaft: 316L stainless steel
					C	Rotary shaft: titanium alloy
					D	Rotation axis: Hastelloy C

\* The selection table is only available for parameter selection, and the corresponding code is delivered.