

LS Rotary Piston Flowmeter

Overview

LS rotary piston flow meter is a kind of volumetric flowmeter, also called suspending single rotator flowmeter, which not only has merits of ordinary volumetric flowmeter such as efficient measurement for many kinds of medium, high temperature resistance, high pressure resistance, high precision, reliable operation, etc, but also can measure medium with high viscosity. Its characteristics are simple structure, convenient and fast dismounting. The measuring part can be cleaned without any special tool, just by removing it from the flowmeter. After cleaning, it can be remounted and has the same measuring accuracy as before, without adjusting it could resets. The rotary piston flowmeter has two types, electronic counter and mechanical counter.

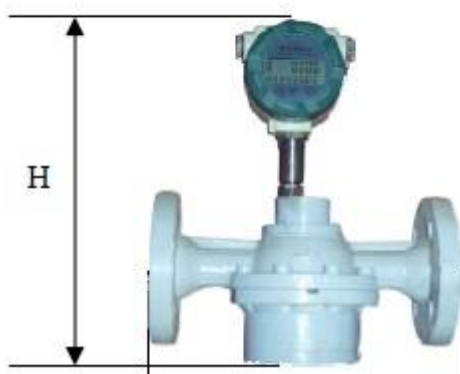
Features

1. The piston realizes floating motion and makes little abrasion (free maintenance in ordinary);
2. Small volume, light weight, convenient and quick dismounting.
3. The operating room in piston cavity is big, so tiny particles can be eliminated automatically;
4. Outputs many kinds of signals such as 4-20MA, pulse equivalent, RS485, Hart protocol, and so on.

Main Technical Parameters

Model Caliber mm	Pressure Mpa	Medium Temperature	Viscosity Mpa.s	Flow Range		Material
				Grade 0.5	Grade 1.0	
LS15	1.6	0~300	0~1000	0.08~1.0	0.06~1.2	Aluminum alloy
LS20	2.0			0.2~1.6	0.15~2.0	Graphite
LS25	4.0			0.3~2.0	0.3~2.5	Cast steel
LS40(32)	6.3			1.0~8	0.8~12	304
LS50	10			2.0~20	1.8~24	316

Dimension Figure



Inside Nominal Diameter (mm)	Overall Length L	Overall Height H	Installation Method
15	120	255	Horizontal
20	180	255	
25	220	265	
40 (32)	220	275	
50	350	446	

Ordering Models

Basic Model	1	2	3	4	5	7	Illustration
	Counter	Inside Nominal Diameter	Nominal Pressure	Material	Output Method	Accuracy	
LS							Rotary piston (suspending single rotor) flowmeter
	J						Mechanical counter
	E						Electronic counter
	H						Zero counter
		15~50					Inside nominal diameter 15~50mm
			1.6~6.3				Nominal pressure 1.6~6.3mpa
				A			Aluminum alloy
				B			B304, stainless steel 304 B316, stainless steel 316
				E			Carbon steel
					F		Impulse output
					I		4-20mA flow output
					R		RS485, Mudbus
					H		Hart protocol output
						0.5	Grade 0.5
						1.0	Grade 1.0