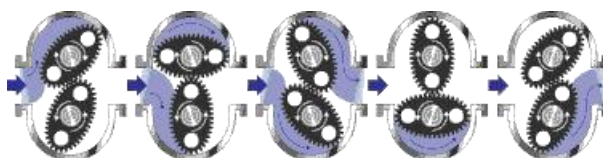




LC Series oval gear flow meter is developed based on market needs. It's immunity to the most viscous of fluids, oval gear meter are ideally suited for measurement of viscous fluids or those with varying viscosities such as oils, syrups and fuels. Ease of installation is another advantage of the oval design. Because no straight pipe runs or flow conditioning are required, oval gear meters can be installed in tight areas where alternate technologies would fail.

Construction/Design Principle:

The design of the oval gear flow meter is relatively simple; oval shaped gear-toothed rotors rotate within a chamber of specified geometry. As these rotors turn, they sweep out and trap a very precise volume of fluid between the outer oval shape of the gears and the inner chamber walls with none of the fluid actually passing through the gear teeth.



Model	LC-10	LC-15	LC-20	LC-25	LC-40	LC-50	LC-65	LC-80	LC-100
DN(mm)	10	15	20	25	40	50	65	80	100
Min flow rate m3/h	0.08	0.15	0.3	0.6	1.6	2.5	5	6	10
Max flow rate m3/h	0.4	1.5	3	6	16	25	40	60	100
Basic error	±0.5								
Working Term °C	Normal type: -10----- +100°C High Temperature type:-10----+200°C								
Normal Pressure	1.6Mpa/16Bar								
Pressure Lose Mpa	0.1								
Liquid Viscosity	Normal type: 2---75 Mpa.s Heavy oil type:75----500Mpa.s								
Totalizer volume m3	99.99	999.99			9999.9			99999	
Size mm L*B*H	150*100 *215	180*124 *225	200*124 *235	245*184 *250	252*184 *275	340*226 *335	360*260 *330	560*266 *340	420*310 *405
Weight Kg	5.5	7.5	8.5	15.6	18.5	30	40	44.5	72

Typical Applications:

Lubricating Oil

Epoxies

Greases

Polyurethane

High Viscosity

Fuels

Fluids

- Solvents

Chemicals

Additives



Oval gear flow meter (Reset to Zero)

Reset type oval gear flow meter is clear value display. This type have two Character wheels of return zero and totalizer It have the double functions of batch counting and total counting. During operation, turn the handle of wheel clockwise and make the return-zero counter pointing zero.



Normal type

Normal type is only total counter ,there are three coat materials optional, cast iron ,cast steel and stainless steel, without reset and output functions.



Stainless steel flow meter

Stainless steel flowmeter is made up with stainless steel. And also it can return zero. So that it is anti-corrosion , stable performance and long life.