



# NXL FLOW INSTRUMENTS

## TURBINE FLOWMETER

(Internal Battery Operated)



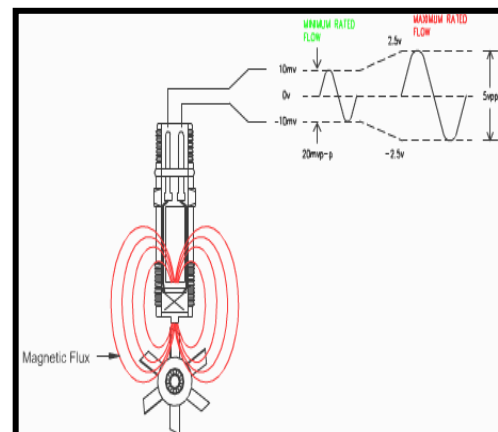
The NXL – 22BP Series Turbine Flowmeters is a rugged, utilize a proven flow measurement technology to provide exceptionally reliable. these flowmeters are the solution for a wide variety of liquids flow sensing applications. It is compact Size and ease of serviceability, coupled with a choice of materials, make this a cost effective selection. Designed with performance in mind, the meter provides a high level of accuracy over wide flow range with a minimum of pressure loss.

### FEATURES:

- Excellent Speed of Response
- Output Linear With Flowrate

### PRINCIPLE OF OPERATION

The NXL Turbine is Volumetric fluid flowmeter which works on the time proven principle of a rotor turning at an angular velocity proportional to the fluid velocity through the turbine. The Meter has



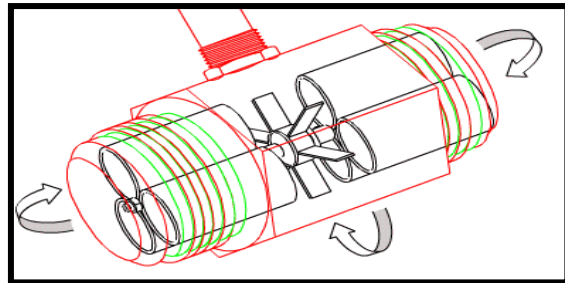
straightening vanes and a nose cone in the inlet side which minimise upstream turbulence and direct the flow to the rotor effectively.

## APPLICATIONS

NXL offers a wide range of turbine flowmeters and custom-engineered designs for liquid applications to meet the demands of the aerospace, industrial and automotive users. Applications include fuel consumption, hydraulics, coolant, batching, ultra pure water and feed back of process variables in control systems. Loading and unloading of tankers or rail cars. Any where high volume and/or high flowrates are atleast sometimes required in the application, the turbine meter is likely the right choice.

### Liquid Service

Linearity	+/- 0.5% of Reading
Repeatability	+/- 0.1% of Reading
Max Pressure	20 Bar
End Connections	Threaded/ Triclamp/ Flange

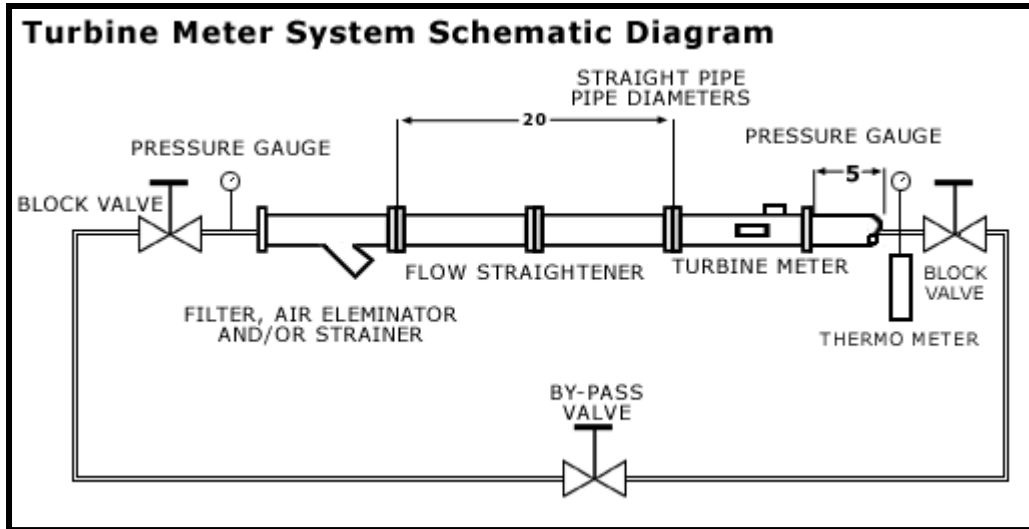


Battery inside can supply 9000hrs operation approx.

Single Count	Accumulation	Voltage	Battery Size	Working Temp
0.00-9999.9	0-99999	DC 2.3V-3.3V	LR03X2(AAA SIZE)	-10 to 60 Deg C

## LIQUID FLOWRANGE

Meter size/Model No	Flow Range in LPM	Pressure drop at Max Flow In Kg/Sq. Cm.
1"/25NB/2225 BP	18.9-190	0.98
1 1/2"/40NB/2240 BP	38-380	0.91



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