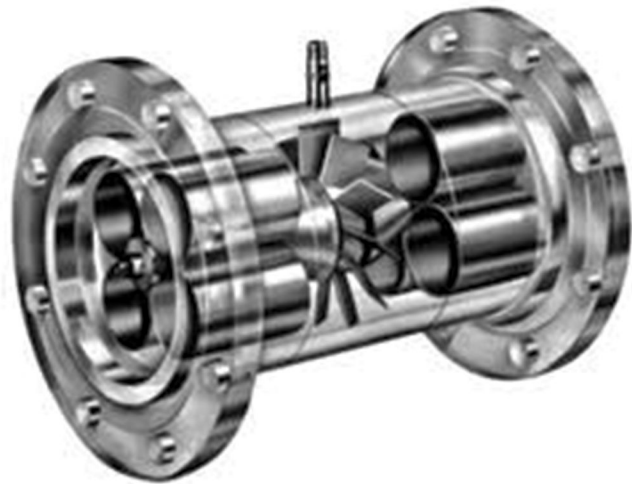




# TURBINE FLOW METER



**LF-TF**

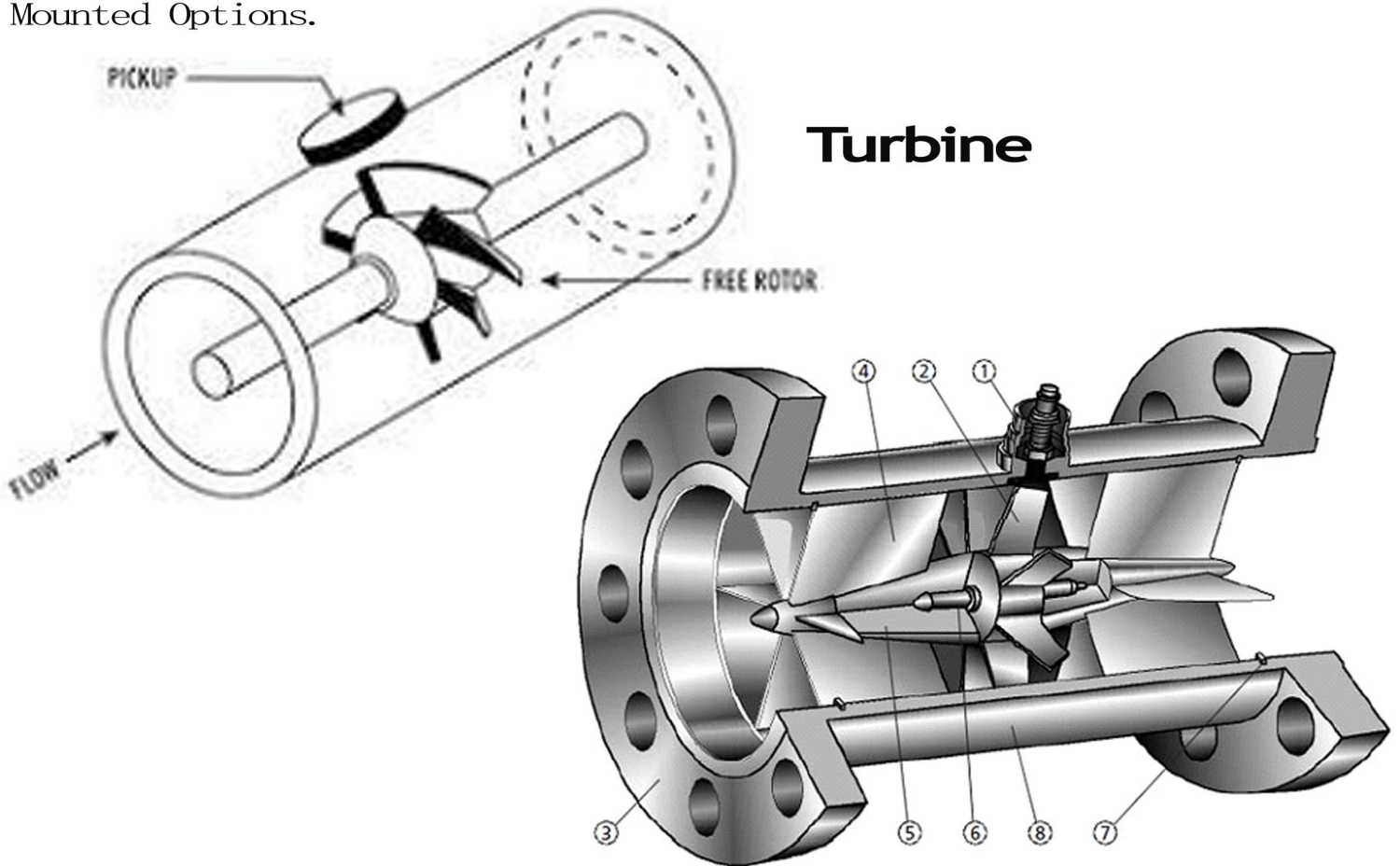
**Level & Flow Industrial  
Automation (OPC) Pvt. Ltd.**

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207, S/F, Gali no. 6-7, Beadonpura  
Karol Bagh, New Delhi - 110005

# DESCRIPTION

We are offering a wide range of Turbine Flow Meters to our clients. The flowing media engages a vaned rotor causing it to rotate at an angular velocity proportional to flow rate. Liquid flows through the turbine housing causing an internal rotor to spin. As the rotor spins, an electrical signal is generated in the pickup coil. The pick-off coil senses the spinning motion of the rotor inside the pipe & converts it into a pulsating electrical signal. Summation of the pulsating electrical signal is directly related to the total flow. The frequency is linearly proportional to flow rate which is converted to mA signal by electronic circuitry. Flow rate Indicator / Totalizer / Transmitter and Controllers are available in Local/Remote and Panel Mounted Options.



## Turbine

1. Permanent standard conduit connection.
2. Pre calibrated rotor with accuracy.
3. Flanged or threaded type end connection.
4. Flow vanes for low rates.
5. Flow vane hub for rotor assembly.
6. Tungsten carbide rotor shaft bearing.
7. Retaining rings.
8. All-metal sturdy flow meter body.

**TECHNICAL SPECIFICATION**

Model	LF-TF
Media	liquid / Gas
Operating Temperature	0 to 55 deg <sup>0</sup> C or upto 150 deg <sup>0</sup> C max.
Pressure	10kg /cm <sup>2</sup> or 40kg/cm <sup>2</sup> max.
Viscosity	20 cp max.
Accuracy	±1%
Repeatability	±1%
Flow Rate Display	4 Digit LED
Totalizer Display	8 Digit LED
Rotor	Stainless Steel
Output	4-20mA DC, current output
Relay Output(Optional)	Potential free contacts
Supply	220 V AC / 24 V DC
Process Connection	150 NB ASA Flanged, SS
Mounting	In line horizontal or vertical
Line Size	15 NB to 300 NB

**THREADED**



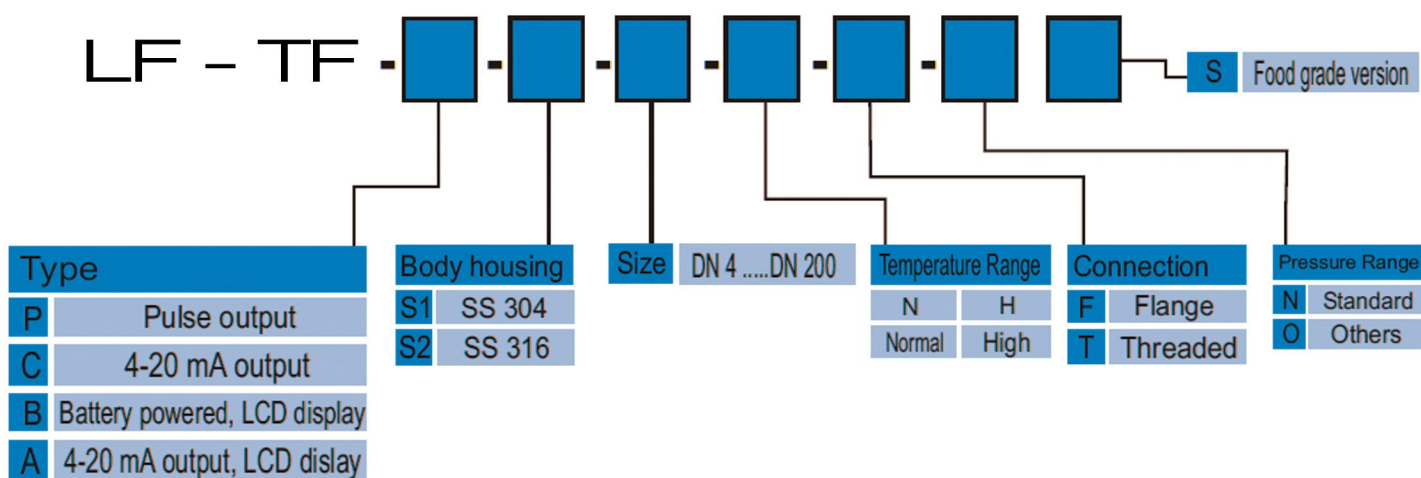
**FLANGE**



# FLOW RATE

SIZE	FLOWRATE (m3/hr)	SIZE	FLOWRATE (m3/hr)
DN 4	0.04 ~ 0.25	DN 50	4 ~ 40
DN 6	0.1 ~ 0.6	DN 65	7 ~ 70
DN 10	0.2 ~ 1.2	DN 80	10 ~ 100
DN 15	0.6 ~ 6	DN 100	20 ~ 200
DN 20	0.8 ~ 8	DN 125	25 ~ 250
DN 25	1 ~ 10	DN150	30 ~ 300
DN 32	1.5 ~ 15	DN 200	80 ~ 800
DN 40	2 ~ 20		

# MODEL SELECTION



\* (All models may differ in looks & all specification may not be part of every version)  
\* (Specification may vary as per different model selected. Some feature may not be there in model selected.)