

MODEL CODE DESCRIPTION											
1	2	3	4	5	6	7	8	9	10	11	12
VSAN	DTFM	015	A	A	B	A	B	A	A	A	C

1	BRAND NAME						
2	DIGITAL TURBINE FLOW METER						
3	SIZE						
4	ENCLOSURE						
	SS 304	A	SS 316	B			
5	PROCESS CONNECTION						
	THREAD(6 –50 mm)	A	ANSI 600 #	D			
	ANSI 150 #	B	TRI CLAMP	E			
	ANSI 300 #	C	WAFER	F			
6	MOUNTING						
	INTEGRAL	A	REMOTE WITH PANEL	C	FLP REMOTE ONLY	E	
	REMOTE PANEL MOUNT (FTC 505)	B	ONLY SENSORS	D			
7	OUTPUT SENSOR (24 VDC INPUT)						
	NPN OPEN COLLECT	A	PNP OPEN COLLECT	B			
8	POWER SUPPLY FOR CONVERTOR						
	24 VDC	A	230 VAC	B	BATTERY	C	
9	CONVERTOR OUTPUT						
	4-20mA + RS 485	A	4-20mA + RS 485 + HART	B	NA	C	
10	PRESSURE						
	1.6 MPA	A	SPECIAL	B			
11	TEMPERATURE						
	(-40) to (80 °)	A	0 – 150 °	B	HIGH TEMP	C	
12	STRAINER						
	Y TYPE SCREW	A	BUCKET 1 – 3" (F)	B	NIL	C	

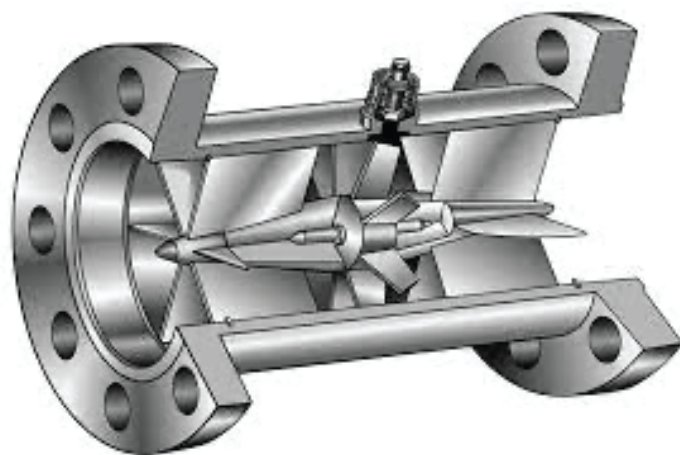
Turbine Flow Meter



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WORKING PRINCIPLE

Turbine flow meters for use with liquids have a relatively simple theory of operation, as a fluid flows through the tube of the flow meter it impacts upon turbine blades. The turbine blades on the rotor are angled to transform energy from the flowing liquid into rotational energy.



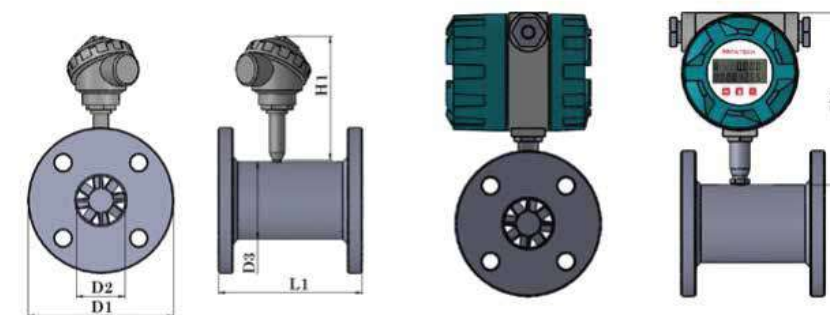
TECHNICAL SPECIFICATIONS

Size	6 – 40 mm (Screw End)	Power Supply	24 VDC, 230 VAC, Battery
	25 – 300 mm (Flange End)	Output	Pulse NPN, Pulse PNP
Accuracy	± 0.5%	Convertor O/p	4-20MA, RS 485 , HART
End	Threaded, Flange	Mounting	Integral, Remote panel mount,
Connection			FLP (remote only)
Enclosure	SS 304 , SS 316	Pressure	1.6 MPA, Others
Strainer	Y Type, Bucket (1" – 3")	Temperature	-40 to 150 deg C

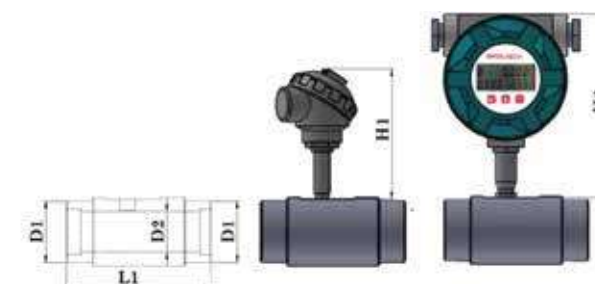
FLOW RATE CHART

Model No.	Size (Inch)	Mounting		Flow Rate (L/H) SCREW END	Flow Rate (L/H) FLANGE END
DTFM-06	1/4 "	SCREW END	NA		-
DTFM-10	1/4 "	SCREW END	NA	40 - 400	-
DTFM-15	3/8 "	SCREW END	NA	600 – 6000	-
DTFM-20	1/2"	SCREW END	NA	800 – 8000	600 – 6000
DTFM-25	3/4 "	SCREW END	FLANGE END	1000 – 10000	800 – 8000
DTFM-32	1"	SCREW END	FLANGE END	1500 - 15000	1000 – 10000
DTFM-40	1.5"	SCREW END	FLANGE END	2000 - 20000	2000 – 20000
DTFM-50	2"	NA	FLANGE END	-	4000 - 40000
DTFM-80	3"	NA	FLANGE END	-	10000 - 100000
DTFM-100	4"	NA	FLANGE END	-	20000 - 200000

GA Drawing



Model	L1	D1	D2	D3	H1	H2
006	50	1 1/2 "	6	26	165	190
009	60	1 1/2 "	10	26	165	190
012	75	1 1/2 "	14	28	165	190
020	91	3/4 "	20	38	165	190
025	106	1"	25	46	165	190
032	140	1 1/4 "	32	60	165	190
040	140	1 1/2"	40	60	165	190
050	148	2"	50	75	165	190
080	200	3"	79	105	165	190
100	220	4"	100	135	165	190
150	250	6"	150	170	165	190
200	350	8"	200	225	165	190



Part	L1	D1	D2	H1	H2
006	50	1 1/2 "	6	165	190
009	60	1 1/2 "	10	165	190
012	75	1 "	14	165	190
020	91	1 "	20	165	190
025	106	1 1/4 "	25	165	190
032	140	1 1/2"	32	165	190
040	140	2"	40	165	190
050	148	2 1/2"	50	165	190