

## Flow meter Size selection:

The flow meter size shall be selected as per the following guideline.

For clear homogenous liquids flow velocity through the flow meter: 2 to 3 m/s

For liquids with solid contents, flow velocity through the flow meter: 3 to 5 m/s

**Flow velocity through Flow meter =**

Required maximum/full scale flow rate

Flow rate for the flow meter size in corresponding unit from the table below

e.g. 100m<sup>3</sup>/h in 100mm flow meter means a velocity of 3.537m/s

Size mm	M3/h	LPS	MLD	US GPM	Size mm	m3/h	LPS	MLD	US GPM
10	0.28	0.08	0.007	1.24	600	1017.85	282.74	24.428	4481.44
15	0.64	0.18	0.015	2.80	700	1385.40	384.83	33.250	6099.74
20	1.13	0.31	0.027	4.98	800	1809.50	502.64	43.428	7967.01
25	1.77	0.49	0.042	7.78	900	2290.15	636.15	54.964	10083.25
32	2.90	0.80	0.069	12.75	1000	2827.35	785.38	67.856	12448.45
40	4.52	1.26	0.109	19.92	1100	3421.09	950.30	82.106	15062.63
50	7.07	1.96	0.170	31.12	1200	4071.38	1130.94	97.713	17925.77
65	11.95	3.32	0.287	52.59	1400	5541.61	1539.34	132.999	24398.97
80	18.10	5.03	0.434	79.67	1500	6361.54	1767.09	152.677	28009.02
100	28.27	7.85	0.679	124.48	1600	7238.02	2010.56	173.712	31868.04
125	44.18	12.27	1.060	194.51	1800	9160.61	2544.62	219.855	40332.99
150	63.62	17.67	1.527	280.09	1900	10206.73	2835.20	244.962	44938.92
200	113.09	31.42	2.714	497.94	2000	11309.40	3141.50	271.426	49793.81
250	176.71	49.09	4.241	778.03	2200	13684.37	3801.22	328.425	60250.51
300	254.46	70.68	6.107	1120.36	2400	16285.54	4523.76	390.853	71703.09
350	346.35	96.21	8.312	1524.94	2600	19112.89	5309.14	458.709	84151.55
400	452.38	125.66	10.857	1991.75	2800	22166.42	6157.34	531.994	97595.87
450	572.54	159.04	13.741	2520.81	3000	25446.15	7068.38	610.708	112036.08
500	706.84	196.34	16.964	3112.11	3200	28952.06	8042.24	694.850	127472.16