

MELBOURNE HYDRO - AERATORS

TEST RESULTS C.S.I.R.O.

NOMINAL DIAMETER mm	SET WATER PRESSURE kPa	WATER FLOW l/m	NOZZLE DIAMETER mm	AIR VACUUM -kPa	AIR AVERAGE PIPE VELOCITY m/s	AIR VOLUME FLOW m ³ /s	AIR VOLUME FLOW m ³ /h	kg of O ₂ /h
25	100	96	12.7	22	8.0	0.0030	10.8	
25	200	144	12.7	58	14.6	0.0055	19.7	
25	300	180	12.7	90	19.6	0.0073	26.4	6.5
38	100	153	15.875	22	6.5	0.0024	8.8	
38	200	232	15.875	58	10.4	0.0039	13.9	
38	300	292	15.875	90	11.8	0.0044	15.9	3.9
50	100	219	19.05	20	13.5	0.0050	18.1	
50	200	322	19.05	43	17.3	0.0065	23.3	
50	300	408	19.05	70	20.2	0.0075	27.1	
50	350	425	19.05	90	21.6	0.0081	29.3	7.2
75	350	828	30.2	90	51.2	0.0192	69	17