



Sydney Commercial Kitchens

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Benefits of Recirculating Glass Washers

- 60 Litres of wash water per cycle versus 4 Litres
- Less water usage 2.5 Litres versus 7.0 Litres per cycle
- Less water heating at the cylinder and machine
- Less chemical usage
- Better results

Operational Cost Savings

Recirculating Glass Washers [Washtech Model GM]		Non-Recirculating Glass Washers [Washtech Model GE]	
Power costs per kW hour	\$0.13	Power costs per kW hour	\$0.13
Cost of water per cubic metre	\$2.16	Cost of water per cubic metre	\$2.16
Waste water discharge cost/cubic mtr	\$0.00	Waste water discharge cost/cubic mtr	\$0.00
Number of fills per day	1	Number of fills per day	1
Number of cycles per day	50	Number of cycles per day	50
Water usage per fill Litres	15	Water usage per fill Litres	0
Water usage per cycle Litres	3	Water usage per cycle Litres	7
Water usage per day Litres	165	Water usage per day Litres	350
kW/hr to heat 1 Litre of water to 70°C	0.093	kW/hr to heat 1 Litre of water to 70°C	0.093
Total water heating cost per cycle	\$0.04	Total water heating cost per cycle	\$0.09
Total water heating cost per fill	\$0.18	Total water heating cost per fill	\$0.00
Total water heating cost per day	\$2.00	Total water heating cost per day	\$4.25
Cost of water per day	\$0.36	Cost of water per day	\$0.76
Cost of waste water discharge per day	\$0.00	Cost of waste water discharge per day	\$0.00
Costs of Detergent		Costs of Detergent	
Costs of detergent per 20 Litres	\$90.00	Costs of detergent per 20 Litres	\$90.00
Detergent concentration %	0.30%	Detergent concentration %	0.30%
Litres detergent per day	0.495	Litres detergent per day	1.05
Detergent cost per day	\$2.23	Detergent cost per day	\$4.73
Labour Content		Labour Content	
Hourly rate	\$10.00	Hourly rate	\$10.00
Load and unload time per cycle in mins	1.0	Load and unload time per cycle in mins	1.0
Time in hours per cycle	0.02	Time in hours per cycle	0.02
Time in hours per day	0.83	Time in hours per day	0.83
Total labour cost per day	\$8.33	Total labour cost per day	\$8.33
Total Cost per Day	\$12.92	Total Cost per Day	\$18.07

Days per Year Machine in Use	320
Annual Cost Difference	\$1,646.32

This calculation is for comparison purposes only.