**Aquatic Facilities**

**Environmental Health Guide**

## Health (Aquatic Facilities) Regulations 2007

|  |  |  |  |  |  |  |
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| **BASIC WATER BODY FILTRATION AND SYSTEM DESIGN PERFORMANCE INFORMATION  (To be completed for each independent plumbing system)** | | | | | | |
| LOCATION | |  | | | | |
| DESCRIPTION (Swim, Spa, etc.) | | |  | | | |
| WATER BODY VOLUME (m3) | | |  | | | |
| PUMP MAKE & MODEL | | |  | | | |
| NUMBER OF PUMPS IN USE SIMULTANEOUSLY | | | |  | | |
| FILTER MAKE & MODEL | | |  | | | |
| NUMBER OF FILTERS IN USE SIMULTANEOUSLY | | | |  | | |
|  | | | | | | |
| TOTAL SYSTEM PERFORMANCE DATA | | | | | FILTERS (Clean Condition) | |
|  | | | | | **Figure** | **Units** |
| Filter Resistance (See note 2) | | | | |  | Meters  / KPa |
| Plumbing Resistance (resistance in pipes) | | | | **+** |  | Meters  / KPa |
| Head (Kpa or Metres) (See Note 5) | | | |  |  | Meters  / KPa |
| Total System Resistance (Combined total of above at total system flow rate) (See note 3) | | | | **=** |  | Meters  / KPa |
| Flow Rate (per pump) | | | | |  | L/min |
| Total System Flow Rate (See notes 1 and 2) | | | | = |  | L/min |
| Total Pool Volume | | | |  |  | L  / m3 |
| POOL TURNOVER RATE | | | | = |  | Mins  / Hrs |
|  | | | | | | |
| NOTES: | | | | | | |
| 1. | Pump manufacturers performance curves with the duty points under clean filter conditions clearly marked thereon must accompany this statement. | | | | | |
| 2. | Data from the filter manufacturer stating filter area and maximum allowable flow rate must accompany this statement. | | | | | |
| 3. | The "total system flow rate" is the flow to be circulated to and from the water body with all pumps operating simultaneously. It must not count stand-by pumps. | | | | | |
| 4. | System schematic diagram showing the point of chlorination and distances between water body inlets and outlets must accompany this statement | | | | | |
| 5. | Pressure loss or gain due to vertical separation of pump and water level | | | | | |  |

Name: Qualifications:

Signature: Date:

Produced by Environmental Health Directorate

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