

# SUBMERSIBLE PUMPS

De-watering and Drainage, Sewage, Industrial and Agriculture. We have submersible pumps for every application.



Submersible motor pumps, traditionally used for de-watering and drainage, are now also found in industrial and agricultural service. These applications require adaptations to new service conditions. Design, motor explosion protection, motor cooling system as well as monitoring vital serviceable parts of the motor.

In this brochure you will find pump performance comparisons with different impeller configurations, materials of construction and information on what are considered suitable applications.

**PEACE OF MIND:**

Wallace Pumps gives a 1 year on-site parts and labour warranty on all of our Submersible pumps. Wallace Pumps have been supplying pumps to New Zealand for 125 years.

Doesn't that speak for itself?



## CUSTOMISED APPLICATIONS

With Wallace Pumps vast knowledge and expert advice from our team of sales engineers we can overcome any pumping obstacle with a designed solution that will work for your application.

If you need extra lift or just more volume we can source or design a system for your needs.



## SUBMERSIBLE PUMPS W-100/1 W-370/1

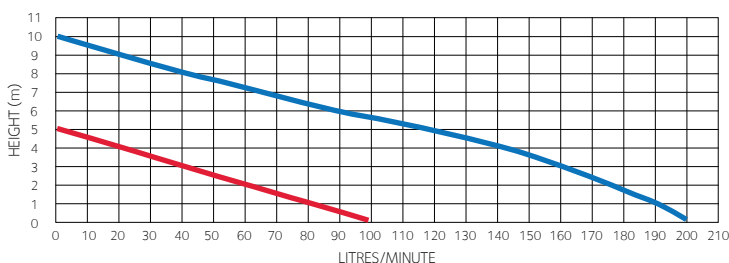
Multi-purpose pumps, suitable for pumping clean/seepage water without any solids or stringy materials.

**FEATURES**

- Synthetic body light-weight design for intermittent duty
- Built-in magnetic float switch
- Unique epoxy cable sealing base
- Built-in motor protection



PUMP PERFORMANCE: — W-370 — W-100



# SUBMERSIBLE PUMP JX-180

Suitable for storm water, treated filtered effluent or drainage water, de-watering cellars, garages, pools, ditches and pits. **NOT SUITABLE** for sewage and waste water with solids.

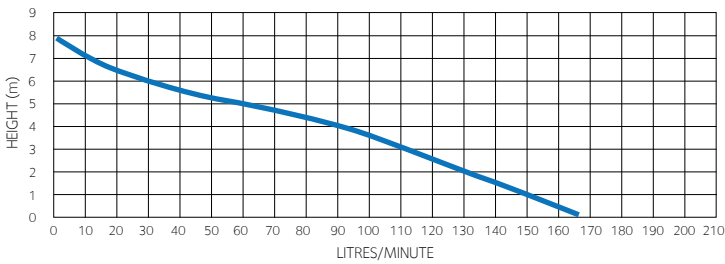
## FEATURES

- Stainless steel and cast iron construction
- Built-in overload protection
- Potted leads sealed with epoxy resin
- Automatic level control

**1**  
YEAR  
ON-SITE  
WARRANTY



PUMP PERFORMANCE: — JX-180



# SUBMERSIBLE PUMP JX-400S

Suitable for carrying waste water and effluent. **NOT SUITABLE** for human waste only dairy and sheep effluent.

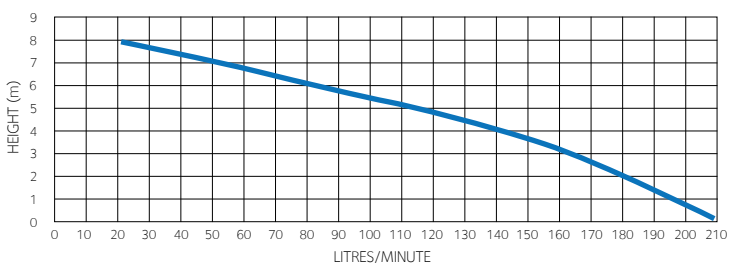
## FEATURES

- Stainless steel motor housing suction cover and screws
- Potted leads sealed with epoxy resin
- Built-in overload protection
- Genuine non-clogging impeller based on the vortex design
- Corrosion resistant cover and pump housing
- Fully automatic level control

**1**  
YEAR  
ON-SITE  
WARRANTY



PUMP PERFORMANCE: — JX-400S



# SUBMERSIBLE PUMP W-400

Suitable for storm water, treated filtered effluent or drainage water only. NOT SUITABLE for sewage and waste water with solids.

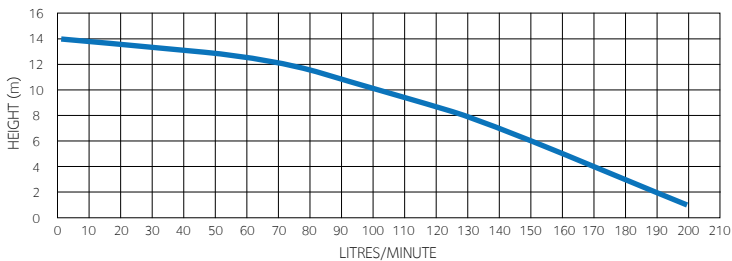
## FEATURES

- Special Open Impeller design suitable for pumping treated effluent and drainage water with soft solids up to 4-5mm
- Stainless steel construction
- High shut off head of 14 metres
- Unique cable sealing protects from water entering motor
- Built-in float switch for automatic liquid level operation

1  
YEAR  
ON-SITE  
WARRANTY



PUMP PERFORMANCE: — W-400



# SUBMERSIBLE PUMP AQUADRAIN 32-750

Suitable for pumping clear water, treated filtered effluent only. NOT SUITABLE for sewage and waste water with solids.

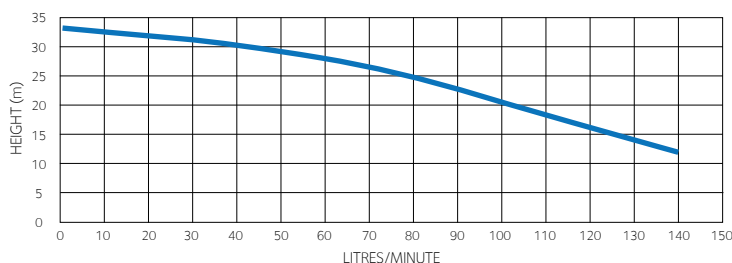
## FEATURES

- Cast iron construction
- Unique Reversed Impeller design, ensuring Mechanical Seal is never subjected to high pressure from pump
- High shut off head of 33 metres
- Unique cable sealing protects from water entering motor
- Built-in float switch for automatic liquid level operation

1  
YEAR  
ON-SITE  
WARRANTY



PUMP PERFORMANCE: — AQUADRAIN 32-750



# SUBMERSIBLE SEWAGE PUMPS

W-750 SV

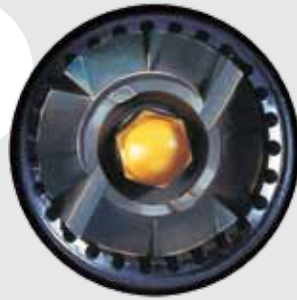
W-750 SK

W-1500 SC

W-1500 SK

WT-1500 SK (3 PHASE)

**1**  
YEAR  
ON-SITE  
WARRANTY



W-1500 SC

Suitable for domestic sewage and wastewater containing human faeces and water soluble toilet paper only. NOT SUITABLE when liquid contains hard solids i.e. sand, stones, gravel, wood, stringy material like clothes, plastic bags, sanitary pads, nappies or tough non water soluble papers like wet wipes, cardboard or rubber etc...

## FEATURES

- Stainless steel construction
- All 1500 models and W-750SK come with advanced shredding/grinding mechanism
- W-750 SV features an advanced Vortex impeller design
- All 1500 models and W-750SK come with a fixed suction cover under the impeller. Specifically designed edges and grooves work in combination with rotating impeller shreds to grind material down to soft sewage particles for easy pumping without any blockage.
- Triplex sealing Double Mechanical Seal in oil bath plus an oil seal arrangement for protection of motor
- Heavy duty upper and lower ball bearings ensure smooth operation and supports axial load/thrust
- W-750 SK and W-750 SV pump comes with built-in float switch for automatic liquid level operation
- W-1500 SK / WT-1500 SK pumps are supplied with separate float and control panel having built-in motor protection and high level alarm facility. Refer to back page of brochure for Computerised Control Panel details.
- All pumps come with standard base mounting. Auto coupling option available for W-750 SK and W-750 SV

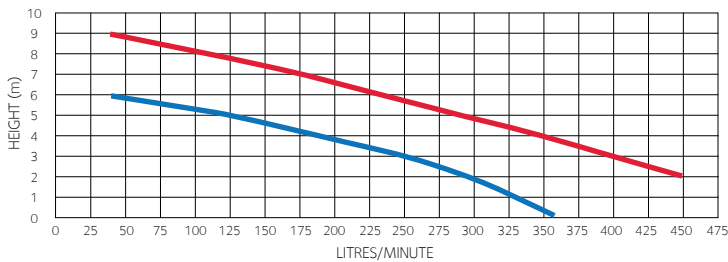


W-1500 SK

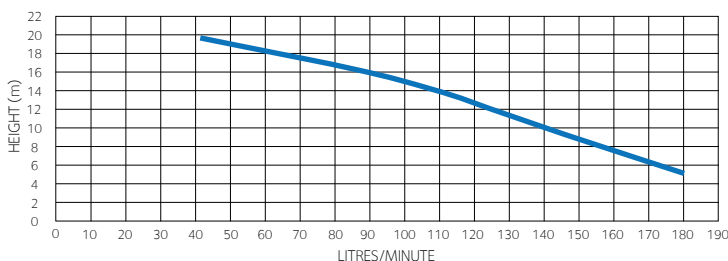


W-750 SV / W-750 SK

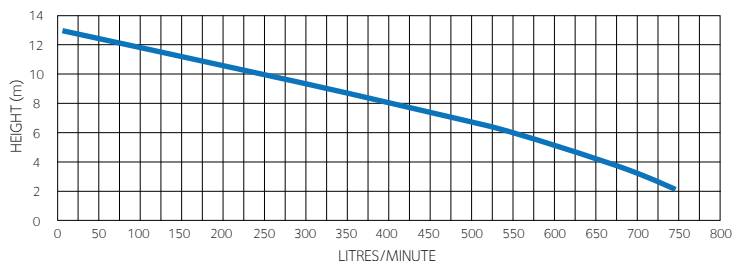
PUMP PERFORMANCE: — W-750 SK — W-750 SV



PUMP PERFORMANCE: — W-1500 SC



PUMP PERFORMANCE: — W-1500 SK / WT-1500 SK



# HOMA SUBMERSIBLE SEWAGE PUMPS

## GRP 16BDA

## GRP 26WA

## GRP 26DA (3 PHASE)

## GRP 36DA (3 PHASE)

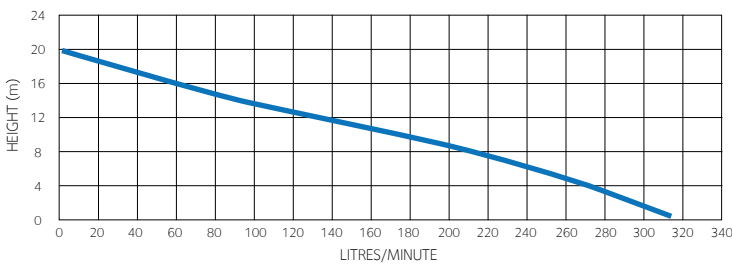
Suitable for pumping sewage and effluent from conventional sewer systems of low population. Also suitable for leachate applications.

### FEATURES

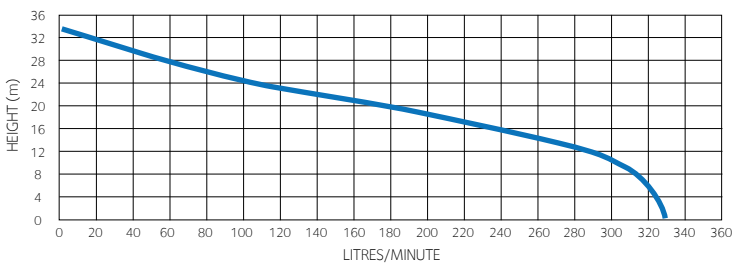
- Single stage centrifugal pump with horizontal discharge
- Open multi-channel impeller
- Cutter system at pump inlet consisting of stationary cutter ring and blade rotor
- Pressure tight electric motor single or three phase
- Large diameter stainless steel rotor shaft
- Heavy duty pre-lubricated bearings
- Combination of mechanical seal and lip seal in oil chamber
- All models available with explosion proof motors
- Homa pumps come with separate float switch and control panel



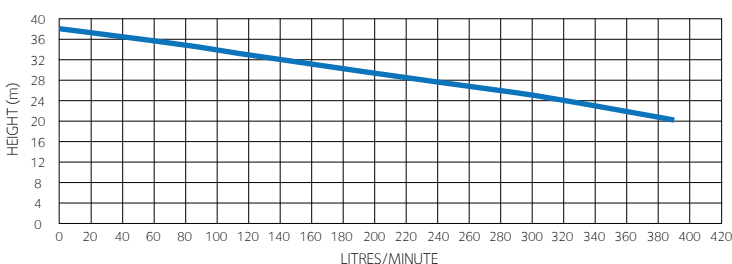
PUMP PERFORMANCE: — GRP 16BDA



PUMP PERFORMANCE: — GRP 26WA / GRP 26DA



PUMP PERFORMANCE: — GRP 36DA



GRP26WA / DA



GRP 16BDA

GRP36DA

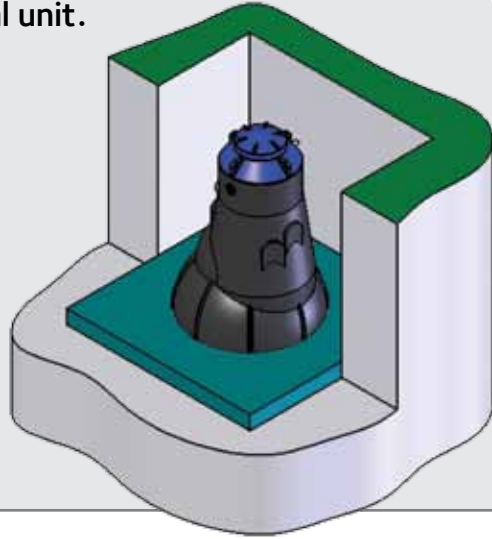
# IN-GROUND

Fully automatic sewage and grey water disposal unit.

**1**  
YEAR  
ON-SITE  
WARRANTY

## FEATURES

- Single pump or twin pump options
- For complete households or commercial applications where a 24 hour storage requirement is necessary
- Capable of pumping up to 28m in height
- Collecting tank storage capacity of 1100, 1550 or 3300 litres
- Anti-flotation design to prevent lifting in rain soaked ground situations
- Polyethylene tank construction
- Built in alarm system



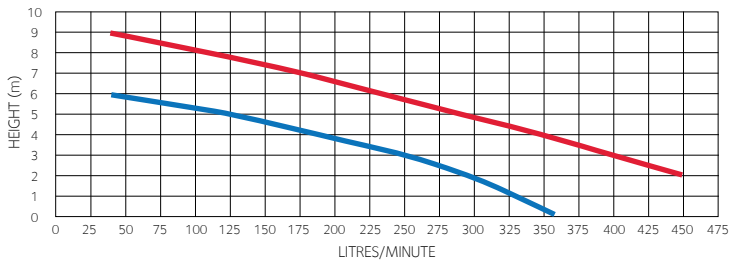
## IN-GROUND 1000



### W-750SK

MOTOR RATING:  
0.75KW / 230V / 7AMPS  
750SK  
MAX HEAD: 8M  
MAX FLOW: 450LPM

PUMP PERFORMANCE: — W-750 SK — W-750 SV



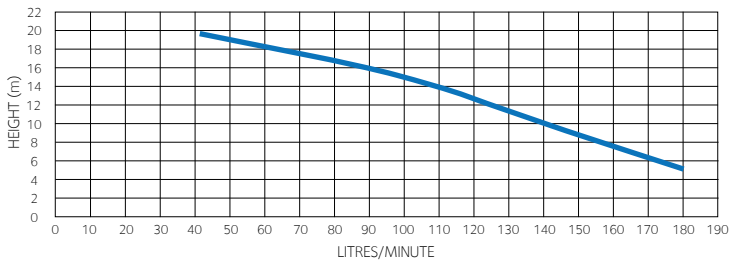
## IN-GROUND 1500



### W-1500SC

MOTOR RATING:  
1.5KW / 230V / 13AMPS  
1500SC  
MAX HEAD: 18M  
MAX FLOW: 180LPM

PUMP PERFORMANCE: — W-1500 SC



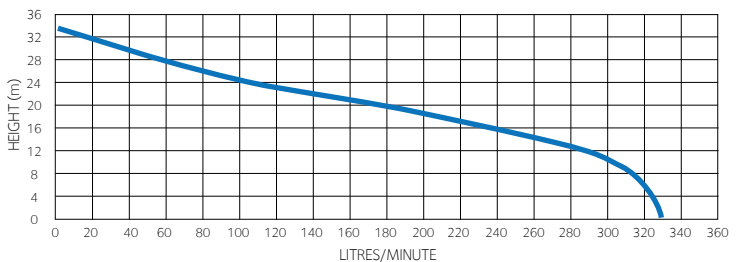
## IN-GROUND 3000



### GRP26 WA

MOTOR RATING:  
1.8KW / 230V / 11.5AMPS  
GRP26WA  
MAX HEAD: 28M  
MAX FLOW: 350LPM

PUMP PERFORMANCE: — GRP 26WA / GRP 26DA



W-750 SK



W-1500 SC



GRP 26WA / DA

# ALARM SYSTEMS AND MONITORS

Pumping equipment is expensive, by utilising one of our monitors or alarm systems you can protect your investment and avoid any problem that may occur. In some council areas these type of early warning or protection systems are mandatory.

## COMPUTERISED PUMP AND ALTERNATING SINGLE/TWIN PUMP CONTROL PANEL

Automatic or manually operated control panel with LED display

- Automatic Twin Submersible pumps: Sewage & Waste water pumping from sump/tanks, with audio/visual high level alarm
- Submersible pumps: Automatic sewage and waste water pumping from sump, audio/visual high level alarm
- Over/under current protection
- Automatic Twin Booster Pumpset: Water supply to large establishments on demand, Irrigation
- Borehole pumps: Automatic water supply, Irrigation, filling tank
- Centrifugal pumps: Used in various industries such as agriculture, water supply, chemical, pulp and paper, fertilizer, petrochemical etc



## HIGH/LOW LEVEL ALARM

Audio – Visual High/Low level alarm for use with sewage and waste water sumps or water tanks

- Warns against flooding. Spilling of hazardous sewage and waste water due to submersible pump failure or overflowing of potable water from the holding tank can happen if there is no prior warning to the user.
- Wallace Pumps have produced the Electronic High/Low Level Alarm system. It will give a prior audio-visual warning of the possible overflow so remedial action can be taken.



### Submersible Pumps Technical Data

#### W-100/1

Motor (kW / HP): 0.1 / 0.15  
Power (Volts / phase): 230 - 240 / 1  
Dimensions (mm):  
250(H) x 200(W) x 144(L)  
Weight (kg): 4  
Outlet (mm): 25  
Cable Length (m): 4  
Min Sump Dimension (mm):  
225mm x 225mm x 275mm

#### W-370/1

Motor (kW / HP): 0.37 / 0.50  
Power (Volts / phase): 230 - 240 / 1  
Dimensions (mm):  
325(H) x 225(W) x 159(L)  
Weight (kg): 6.5  
Outlet (mm): 40  
Cable Length (m): 4  
Min Sump Dimension (mm):  
250mm x 250mm x 350mm

#### JX-180

Motor (kW / HP): 0.18 / 0.3  
Power (Volts / phase): 230 - 240 / 1  
Pump Dimensions (mm):  
360(H) x 170(W)  
Weight (kg): 9.1  
Outlet (mm): 25, 32, 40  
Full Load Current (A): 1.5amps  
Min Sump Dimension (mm):  
400 x 400 x 400

#### JX-400S

Motor (kW / HP): 0.45 / 0.6  
Power (Volts / phase): 230 - 240 / 1  
Pump Dimensions (mm):  
500(H) x 225(W)  
Weight (kg): 18  
Outlet (mm): 50  
Full Load Current (A): 3amps  
Min Sump Dimension (mm):  
700 x 700 x 700

#### W-400

Motor (kW / HP): 0.40 / 0.5  
Power (Volts / phase): 230 - 240 / 1  
Pump Dimensions (mm):  
460(H) x 250(W)  
Weight (kg): 15  
Outlet (mm): 25  
Full Load Current (A): 4amps  
Min Sump Dimension (mm):  
700 x 700 x 700

#### AquaDrain 32-750

Motor (kW / HP): 0.75 / 1.0  
Power (Volts / phase): 230 - 240 / 1  
Pump Dimensions (mm):  
360(H) x 250(W)  
Weight (kg): 17  
Outlet (mm): 25  
Full Load Current (A): 5.24amps  
Min Sump Dimension (mm):  
700 x 700 x 700

#### W-750 SV

Motor (kW / HP): 0.75 / 1.0  
Power (Volts / phase): 230 - 240 / 1  
Pump Dimensions (mm):  
460(H) x 250(W)  
Pump Diameter (mm): 225  
Weight (kg): 22  
Outlet (mm): 50  
Full Load Current (A): 7amps  
Min Sump Dimension (mm):  
700 x 700 x 700

#### W-1500 SC

Motor (kW / HP): 1.5 / 2.0  
Power (Volts / phase): 230 - 240 / 1  
Discharge Size: 32mm  
Pump Dimensions (mm):  
552(H) x 284(W)  
Pump Diameter (mm): 210  
Weight (kg): 37  
Full Load Current (A): 13amps  
Min Sump Dimension (mm):  
1000 x 1000 x 1000

#### W-750 SK

Motor (kW / HP): 0.75 / 1.0  
Power (Volts / phase): 230 - 240 / 1  
Discharge Size: 50mm  
Pump Dimensions (mm):  
495(H) x 290(W)  
Pump Diameter (mm): 225  
Weight (kg): 22  
Full Load Current (A): 7.0amps  
Min Sump Dimension (mm):  
700 x 700 x 700

#### W-1500 SK

Motor (kW / HP): 1.5 / 2.0  
Power (Volts / phase): 230 - 240 / 1  
Discharge Size: 80mm  
Pump Dimensions (mm):  
550(H) x 355(W)  
Pump Diameter (mm): 265  
Weight (kg): 36  
Full Load Current (A): 14amps  
Min Sump Dimension (mm):  
1000 x 1000 x 1000

#### WT-1500 SK

Motor (kW / HP): 1.5 / 2.0  
Power (Volts / phase): 400 / 3  
Discharge Size: 80mm  
Pump Dimensions (mm):  
445(H) x 355(W)  
Pump Diameter (mm): 265  
Weight (kg): 30  
Full Load Current (A): 3.2amps  
Min Sump Dimension (mm):  
1000 x 1000 x 1000

#### HOMA GRP 16BDA

Motor (kW): 1.1  
Power (Volts / phase): 230 - 240 / 1  
Pump Dimensions (mm):  
496(H) x 261(W) x 212(L)  
Weight (kg): 27  
Outlet (mm): 50  
Full Load Current (A): 7.5amps  
Speed (rpm): 2900

#### HOMA GRP 26DA

Motor (kW): 1.9  
Power (Volts / phase): 400-415 / 3  
Pump Dimensions (mm):  
468(H) x 350(W) x 350(L)  
Weight (kg): 33  
Outlet (mm): 50  
Full Load Current (A): 4.4amps  
Speed (rpm): 2900

#### HOMA GRP 26WA

Motor (kW): 1.8  
Power (Volts / phase): 230 - 240 / 1  
Pump Dimensions (mm):  
468(H) x 350(W) x 350(L)  
Weight (kg): 33  
Outlet (mm): 50  
Full Load Current (A): 11.5amps  
Speed (rpm): 2900

#### HOMA GRP 36DA

Motor (kW): 3.1  
Power (Volts / phase): 400-415 / 3  
Pump Dimensions (mm):  
505(H) x 350(W) x 350(L)  
Weight (kg): 44  
Outlet (mm): 50  
Full Load Current (A): 6.4amps  
Speed (rpm): 2900



Email: [enquiries@dlimwallace.co.nz](mailto:enquiries@dlimwallace.co.nz)  
Web: [www.dlimwallace.co.nz](http://www.dlimwallace.co.nz)

Available from

**Auckland**  
55 Maurice Road  
Penrose  
Tel 09 622 9100  
Fax 09 622 9119

**Palmerston North**  
Tel 06 323 4445  
Fax 06 323 4445

**Christchurch**  
35 Buchan Street  
Sydenham  
Tel 03 365 6453  
Fax 03 366 6995