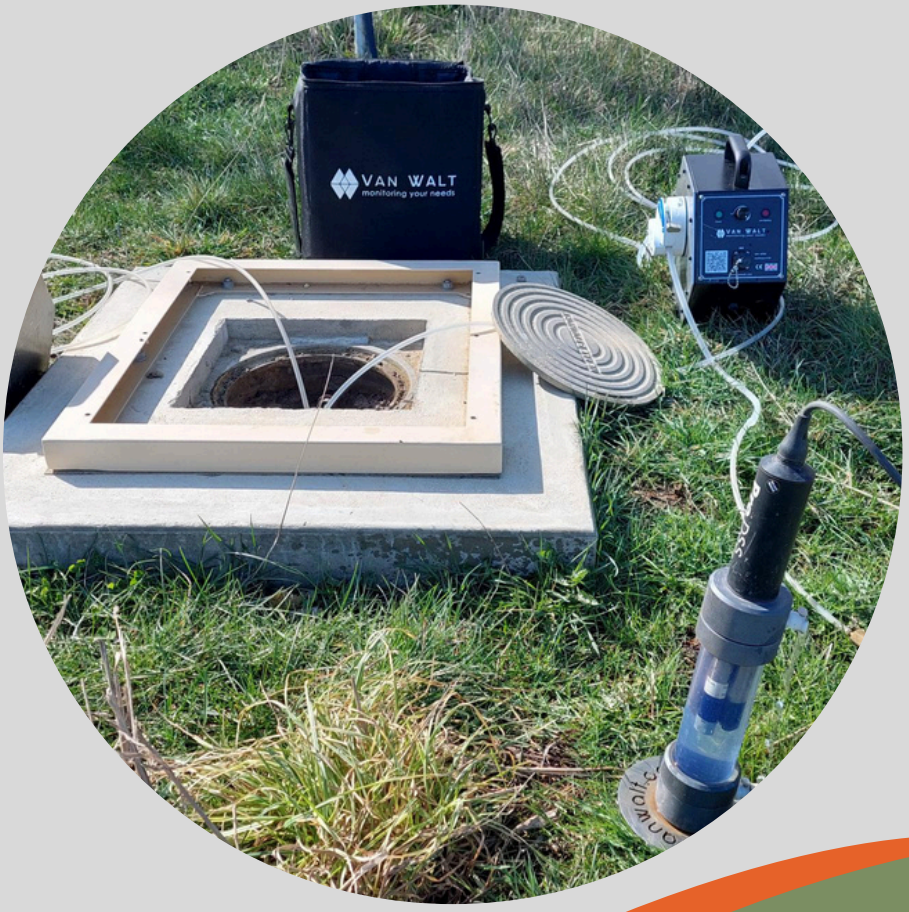
VAN WALT

equipment for soil and water research

NZ Rental and Consumable Pricelist 2025



Van Walt Ltd
21A Gordon Rd, Wanaka, 9305
salesnz@vanwalt.com
034435326

Table of Contents

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Groundwater Pumps and Depth

Advanced Peristaltic Pump

Low Flow Sampling Pump
Max Head Lift of 9m bgl
Variable Flow Rate (Max 2.2L/m)
Internal Battery

Tornado Pump

Submersible Impeller Pump
Max Head Lift of 30m bgl
Max Flow Rate 14L/m
Requires External Battery

Bladder Pump

Low Flow Sampling Pump
Sample up to 45m bgl
Includes Geocontrol Pro, Battery and Accessories
Recommended for VOC sampling
22mm or 42mm Options

Interface/Water Level Meter

Oil Interface Meter to 60m
Water Level to 100m
Light and Sound Alarm

	1 Day	2 Days	3 - 5 Days	5+ Days
Peristaltic Pump	$189	$340	$436	POA
Bladder Pump	$216	$389	$497	POA
Tornado Pump	$216	$389	$497	POA
Oil Interface/ Water Level Meter	$129	$192	$256	POA

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Water Quality and Level

YSI Pro DSS/ Pro Quatro

Water Quality Field Meter
pH/ORP, DO and Cond/ Temp
Includes Flow Cell
Turbidity on request

YSI EXO/ Insitu AT500

Water Quality Sonde
pH/ORP, DO, Cond/Temp and Turbidity
Datalogging

LevelSCOUT/ BaroSCOUT

Water Level Loggers
0-10m, 0-25m, 0-60m, 0-200m Ranges
Min Log Frequency 1sec
50,000 Records
Setup and Data download on Request

Data Collection

Water Level Data sent to your Desktop
Set Sample intervals
Data upload
Long-life Internal Battery
Conductivity on Request

	1 Day	2 Days	3 - 5 Days	5+ Days
YSI Pro Quatro YSI Pro DSS	$285	$426	$569	POA
YSI EXO 1 Insitu AT500	From $630 per week			
Level and BaroScout	-	-	$221	POA
Data Collection	POA			

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Gas Detection

LEL Confined Space Monitor

Personal Gas Detection
H2S, O2, CO and
LEL (Methane)

PID MiniRAE Lite

VOC Detection
Set to Isobutylene
Min. Detection Limit 0.1ppm
Max. Limit 5000ppm
PPB Detection Limit available on Request

GA5000/ GFM 436

Landfill Gas Analyser
Gas Analysis CH4, CO2, O2 and H2S
Pressure and Flow

	1 Day	2 Days	3 - 5 Days	5+ Days
LEL	$158	$236	$323	POA
PID	$158	$236	$323	POA
GA5000/GFM	Min 2 Day	$525	$787	POA

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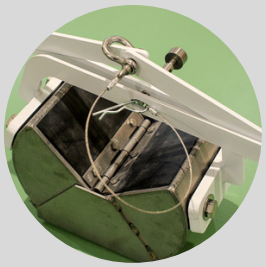
Soil and Sediment Sampling

Augers

Custom Kit
Choose from different soil heads
Choose number of extension rods

Van Veen Grab

Sediment Grab Sampler for River and Lake bed sampling



Multisampler

Sediment Sampler for River and Lake bed sampling
Sediment collected in a 1m clear Acrylic tube

Window Sampler/Lost Cone Installation

Window Sample to 10m
Lost Cone/Peizo Install to 8m

	1 Day	2 Days	3 - 5 Days	5+ Days
Auger Kit	Min 2 Days	$190	$349	POA
VanVeen Grab	Min 2 Days	$190	$349	POA
Multisampler	Min 2 Days	$320	$475	POA
Window Sampling/ Lost Cone	POA - Includes a Specialist Technician to carry out drilling activity			

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Consumables

Tubing Peristaltic Pump Sampling to 9m Head Lift 12.20.46 silicone tube 4mm x 8mm x 5m 12.20.03 P.E. tube 4mm x 6mm x 100m	 $39 $83
Tubing Peristaltic Pump Sampling to 5m Head lift 12.20.48 silicone tube 6mm x 10mm x 5m 12.20.04 P.E tube 6mm x 8mm x 100m	 $43 $88
Tubing 22mm Bladder Pump 12.20.03 P.E. tube 4mm x 6mm x 100m R21150099 22mm P.E. Bladder	 $83 $16
Tubing 42mm Bladder Pump 12.20.03 P.E. tube 4mm x 6mm x 100m 12.20.04 P.E. tube 6mm x 8mm x 100m R21150099 22mm P.E. Bladder	 $83 $88 $16
Multi Sampler 12.42.02 Multisampler tube, Acrylic 50mm x 1m	 $120
Calibration Solutions 1040525C PH4 500ml 1070525C PH7 500ml CSKCL Conductivity 500ml RS250 Redox 500ml Turbidty 500ml	 $46 $46 $82 $127 POA
Bailers Bailer, 19mm, weighted, Clear (PVC) or Opaque (HDPE) Single Case of 24 Bailer, 38mm, weighted, Clear (PVC) or Opaque (HDPE) Single Case of 24	 $23 $459 $20 $314

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Consumables

Foot Valve **12.13.02 Stainless steel foot valve 18mm OD, Each** **12.20.17 P.E. tube 12mm x 16mm x 100m**	**POA**
Geosorb Absorbent Sock **R86650003 Absorbent Sock, 38MM X 910MM (12 PACK)** **R86650002 Screen Assembly, 44MM X 910MM** **R86650006 Absorbent Sock, 76MM X 910MM (12 PACK)** **R86650005 Screen Assembly, 93MM X 910MM**	**POA**

PFAS SAMPLING GUIDELINES

Revision 5.0 – 13th November 2024

We need to make clear, that at the time of writing, there are no ISO or EN standards which deal with the sampling of groundwater for PFAS.
There is a vast library of scientific papers which describe the challenges and methodologies related to this subject and whereas we are certainly not in a position to debunk or even query these writings, we do need to point out that there is a diversity of opinions which are often confusing and sometimes contradictory. Frequently, we detect an unjustifiable emphasis on minutiae, drilling down on potential pathways for contamination which some papers are, off and on, forcefully querying.
There also seems to be a divergence between European and American pragmatism. The latter concentrate on pathways of contamination from the field technician and materials used which could lead to an over-estimation of PFAS; the Europeans tag on to that the possible under-statement due to PFAS sorbing into the sampling materials. It is not for us to comment on the validity of either approach.

Our suggestions and comments, which could change without notice as we progress with this subject, are as follows:

1. All efforts are made to ensure that sampling materials from Van Walt and its supplier partners are PFAS free **at the point of manufacture**. This includes the following sampling hardware:
2. Bladder Pumps from QED and Geotech Environmental
3. Geosub impeller type pump from Geotech
4. Dip meters and oil interface meters from Hydrotechnik, QED/Heron, Geotech
5. Van Walt HexPump peristaltic pump
6. HDPE Bailers from Geotech
7. Please be aware that whereas some materials are tested at the initial production run stage for a limited number of PFAS compounds they are unlikely to be routinely tested after that unless there is a change of materials.
8. Although not routinely tested, LDPE, HDPE and silicone tubing do not compositionally contain PFAS substances but no manufacturer can absolutely guarantee that traces of these substances are not unintentionally present.
9. Be mindful of cleanliness of the materials and the operators while on site.
10. We are unfamiliar with all decontamination chemicals. We use and recommend Deconex which is declared PFAS free at the point of manufacture.
11. There are many PFAS compounds. It is prudent to decide, in advance of the sampling and specifically for the project, which of these compound(s) are of interest.
12. Make sure that the analytical methodology used by your laboratory is compliant with current regulations concerning PFAS. (e.g. https://www.eraqc.com/environmental-industry/pfas)
13. Because there are several pathways to contamination post manufacture, including contamination by insufficiently trained personnel, **it is essential that field blanks are taken**. It is probably not necessary to do this at every sampling point but certainly twice a day: One at the first location and one at the end of the daily sampling round.
14. Blanks are standard practice in the USA and some European and other countries.
15. Should you want more information on how to take field blanks then please contact us.
16. As soon as an EN or ISO standard become available you should follow the terms and this document will automatically expire.

Vincent van Walt
13th November 2024

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