Van Veen Grab

SEDIMENT SAMPLING

General Description

HyQuest Solutions' Van Veen Grab VVG is a sampler designed for **collecting semi-disturbed samples from the surface of rivers, lake beds and sumps**. It features a robust inert stainless steel construction that is easy to clean and maintain. Small models can be deployed by hand easily using the supplied nylon rope, larger models are deployed by mechanical winches (see flipside).

During the descent the two buckets are held in the open position by a hook. When the VVG hits the bottom the tension on the hook is released and the hook is disengaged. When raising the sampler the buckets close automatically collecting a sample from the bed.

Applications

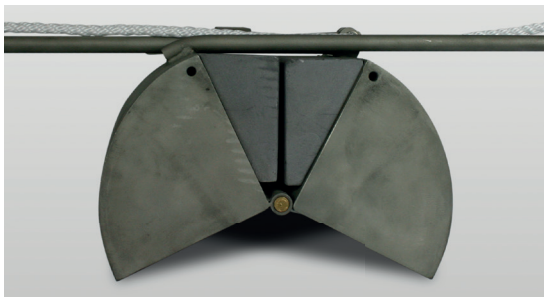
The VVG is suitable for both land and maritime based hydrology. It is capable of taking samples from sea beds, streams, estuaries and sumps. The VVG is the device of choice for biological, hydrological and environmental studies.

Features

- Easy to use and clean
- Quick identification of sample type
- Inert stainless steel construction
- Can be operated from a bridge, raft or boat

Easy handling of heavy samplers

HyQuest Solutions offers a range of equipment designed for the proper operation of heavier sediment samplers like the VVG/20. This includes various mechanical winches available as optional extras. Specific conditions at a site may require special support equipment to improve ease of handling in response to the local conditions and to ensure the safety of the person taking the measurements.
Please feel free to contact Hyquest Solutions for further advice.



HYQUEST SOLUTIONS
KISTERS GROUP

Technical Specifications	VVG/2.4	VVG/4.0	VVG/5.3	VVG/20
Grab Size / Contents (litres)	0.5	1.0	2.0	6.0
Material	Stainless steel with lead blocks	Stainless steel with lead blocks	Stainless steel with lead blocks	Hot dip galvanised steel
Weight in Air (kg)	2.4	6	11	30
Surface Covered (dm²)	1.25	1.7	2.5	5

Accessories

Winches (WS250, WS400, WS500, WS700, DDT700) and Winch Board SAN22SS:
HyQuest Solutions' stream gauging winches are hand-operated single/double drum winches capable of handling gauging weights up to 70 kg using a winch board (e.g. SAN22SS) or bridge crane (e.g. 3WBC or 4WBC). The winches are designed for ease of operation and serviceability in the field: compact, portable, light-weight, and handled easily and safely by one person.

Bridge Cranes 4WBC and 3WBC: HyQuest Solutions' bridge cranes are collapsible units for discharge measurement or for sediment sampling from bridges. The cranes are made from structural aluminium and stainless steel. The bridge cranes are simple to put up and fold down into a compact sized package for transport. Models:

- 4WBC: 4 wheels, used for weights and sediment samplers up to 70 kg
- 3WBC: 3 wheels, light-weight, used for weights and sediment samplers up to 45 kg

Hornet SS (Sediment Sampling) Cableway System
Especially designed for depth integrated sediment sampling with heavy samplers. The hydrographer can undertake sediment sampling and flood flow measurements in a safe position, well away from any hazards by flood waters. Thus it is the ideal solution for retro-fitting to an existing manned cableway system. The Hornet SS is easy to install and the hoist can be transported from site to site for gauging multiple sites. It can also be used for towing an ADCP for flow gauging across a stream or for deployment of a mechanical current meter.

Please ask for details.

Specifications are subject to change without notice. Weights and dimensions are indicative. - © HyQuest Solutions | 10.2018

HyQuest Solutions' Products for Sediment Sampling

HyQuest Solutions is a leading manufacturer and supplier of sediment samplers and accessories for successful and easy sediment sampling. Based on designs developed by the United States Federal Inter-Agency Sedimentation Project, HyQuest Solutions offers modular equipment: You can tailor the perfect solution for your sampling application with a choice of several samplers, rods, accessories, etc.
Please contact us for advice!

Reseller

Contact Us

HyQuest Solutions Australia
+61 2 9601 2022
sales@hyquestsolutions.com.au
www.hyquestsolutions.com

HyQuest Solutions New Zealand
+64 (0)7 857 0810
sales@hyquestsolutions.co.nz
www.hyquestsolutions.com

HyQuest Solutions Europe
Pascalstr. 8+10 | 52076 Aachen - Germany
+49 2408 9385 0
info@hyquestsolutions.eu
www.hyquestsolutions.eu

HS HYQUEST SOLUTIONS
KISTERS GROUP