
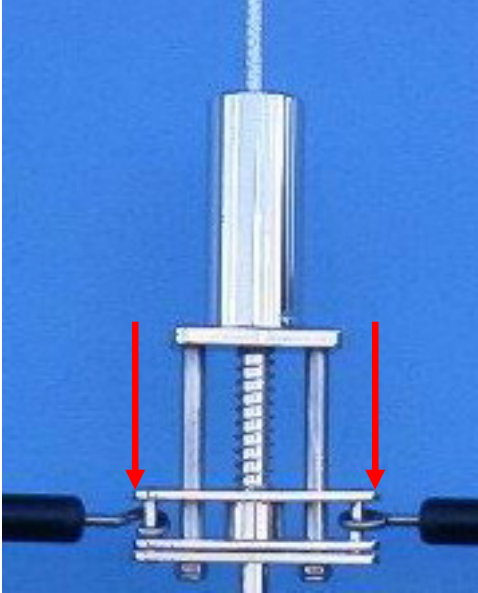






Van Dorn Water Sampler Model 11.xxx series

Manual


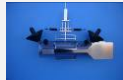
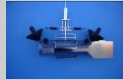
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Research Equipment
Limnology • Oceanography • Hydrobiology


	<p style="text-align: center;">Manual for Van Dorn Water Sampler</p>	<p style="text-align: center;">Model no. 11.000 series</p>
	<p>Preparation:</p>	
<p>1</p>	<p>Open the Van Dorn water sampler by pulling the elastic bands and lids back and secure the hooks as shown.</p> <p>Make sure that the mechanism is locked so that it will be released by the releasers weight.</p> <p>Make sure that the valve is closed.</p> <div style="text-align: center;">  <p>Caution</p> <p>Do not place hands inside or on the seal of the container; this could contaminate the sampler. To reduce chances of contamination, wear powder-free latex laboratory gloves.</p> </div>	
<p>2</p>	<p>Attach the free end of the messenger line to the boat. Rinse the open sampler by immersing it in the water column.</p>	
<p>3</p>	<p>Lower the sampler to the desired depth.</p>	
<p>4</p>	<p>Release the sampler by releasing the messenger weight so that it slides down the line.</p> <div style="text-align: center;">  <p>Caution</p> <p>The sampler must be covered by water when the drop messenger is released. Releasing the sampler in free air (height > 2 metres) might cause damage to the release system on the sampler.</p> </div>	

Emptying the sampler		
5	<p>Raise the full sampler out of the water. Set in on a clean, flat surface in an upright position.</p> <p>To avoid any contamination, do not set the sampler in the bottom of the boat.</p> <p>Empty the water sampler by releasing the tap at the bottom of the tube.</p>	
	<p>When emptying the sampler, the amount of water through the tap, can be adjusted by the upper air valve.</p> <p>For 2- and 3- litres models you must allow a slightly opening of the valve to empty the bottle.</p> <p>For the 5 litres model we recommend to keep the valve closed at the beginning to avoid a heavy flow at the tap.</p>	
In-situ temperature		
6	<p>To determine the in-situ temperature, the water sampler has a standard thermometer mounted. Temperature range between -10 and $+60$ C°.</p>	
Maintenance		
7	<p>Rinse all parts in fresh water and store the sampler at a dry place leaving the lids in open position.</p> <p> Caution</p> <p>Do not use alcohol for cleaning acrylic parts.</p> <p>Do not expose to direct sunlight or salt water for a long period as it will affect the durability and stability of the rubber bands, seals and O-rings.</p>	

Models and accessories

Order no.	Pcs.	Product	Net. weight		
11.100	1	Water sampler, capacity 2,0 litre , complete, length 450 mm. Drop messenger included. Internal thermometer, -10 C° +60 C°. Integrated direction fin for stabilization in flowing water.	4,8 kg		
11.200	1	Water sampler, capacity 3,0 litre , complete, length 580 mm. Drop messenger included. Internal thermometer, -10 C° +60 C°. Integrated direction fin for stabilization in flowing water.	5,5 kg		
11.300	1	Water sampler, capacity 5,0 litre , complete, length 830 mm. Drop messenger included. Internal thermometer, -10 C° +60 C°. Integrated direction fin for stabilization in flowing water.	6,1 kg		

Other parts recommended

Order no.	Pcs.	Product	Net. weight		
10.001	1	Drop messenger, brass, 500 g	0,5 kg		

Lines and hand winches

17.000	1	Small winch, O.D. \varnothing 10 cm, without line	
17.001	1	Line only for winch no. 17.000, made of 2 mm polyester and marked each 1 meter. Length: 10 m	
17.002	1	Line only for winch no. 17.000, made of 2 mm polyester and marked each 1 meter. Length: 20 m	
17.200	1	Stuff winch, O.D. 30 cm (without line) made of strong Beaver Nylon, with two stainless AISI 316 rings inserted. Capacity: 40-50 m of \varnothing 5 mm polyester line.	
17.201	1	Stuff winch, O.D. 40 cm (without line) made of strong Beaver Nylon, with two stainless AISI 316 rings inserted. Capacity: 100 m of \varnothing 5 mm polyester line.	
17.300	1	\varnothing 5 mm polyester line, unmarked, each meter	
17.399	1	10 m \varnothing 5 mm, polyester line, scaled each meter	
17.400	1	15 m \varnothing 5 mm, polyester line, scaled each meter	
17.401	1	20 m \varnothing 5 mm, polyester line, scaled each meter	
17.402	1	25 m \varnothing 5 mm, polyester line, scaled each meter	
17.403	1	30 m \varnothing 5 mm, polyester line, scaled each meter	

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