



MODEL 1010X NISKIN BOTTLE WITH EXTERNAL SPRINGS



Non-metallic free-flushing sampling bottles activated by GO-Devil Messenger when individually or serially attached to hydrocable. Sequential closure by remote command with Model 1015 or 1018 Rosette. The Model 1010X delivers the simplicity and reliability of a Niskin water sampler and has a completely unobstructed sample chamber. Stainless steel end plug closure springs are located externally to the sample chamber.

SPECIFICATIONS:

Sizes - Available in 1.2L, 1.7L, 2.5L, 5L, 8L, 10L, 12L, 20L and 30L capacities.

Materials - PVC housing, end stoppers, handles (on 5L-30L sizes), cable clamp blocks (aluminum on 20 and 30L). Delrin push rod (aluminum on 20 and 30L).air vent screw and petcock. Stainless steel wire clamp bolts and wing nuts.Teflon coated stainless steel springs. Buna-N O-ring seals. Nylon monofilament lanyards with brass snap hook. Maximum working temperature is 60°C (140°F).

End closure - Stopper with spherical section sealing surface held firmly against O-ring seal.

Drainage - Air vent thumbscrew at top, petcock near base (.173" orifice). 20L and 30L bottles equipped with second petcock (.375" orifice) for rapid drainage.

Mounting - All bottles will accept wire up to 1/4" (6.35mm).

STANDARD ORDER includes bottle, wire clamp bolts with wing nuts, latex tubing and wire mounting lanyards. Specify size when ordering. GO-Devil Messenger ordered separately.

AVAILABLE OPTIONS:

Viton O-rings

Teflon coating

Oversize wire clamp bolts and mounting blocks

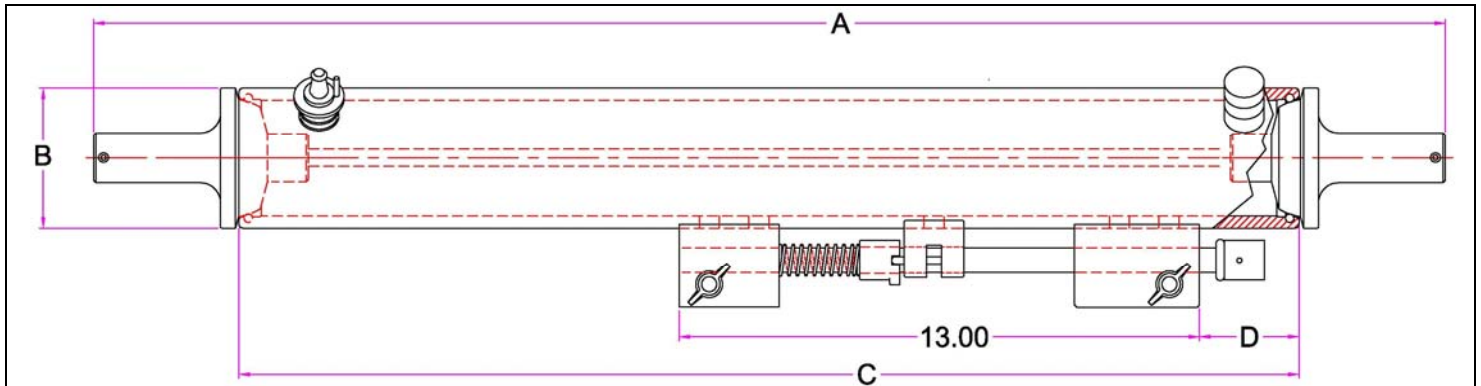
Teflon air vent screw and petcock

Plastic snap hook

Storage racks



MODEL 1010X DIMENSIONS AND WEIGHTS



Note: Basic Niskin bottle shown for dimensional reference only.

		1.2L	1.7L	2.5L	5L	8L	10L	12L	20L	30L
A	in	30.0	25.0	33.5	27.2	35.2	41.8	47.9	35.6	46.4
	mm	762	633	851	692	895	1060	1216	905	1178
B	in	2.38	3.5	3.5	5.56	5.56	5.56	5.56	8.63	8.63
	mm	61	89	89	142	142	142	142	218	218
C	in	28.5	18.0	26.5	18.0	26.0	32.5	39.0	25.2	36.0
	mm	724	457	673	457	660	826	991	641	914
D	in	8.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5	2.5
	mm	216	63.5	63.5	63.5	63.5	63.5	63.5	63.5	63.5
Empty weight	lbs	4.5	5.5	6.5	8.0	10.0	12.5	13.5	25.0	28.0
	Kg	2.0	2.5	3.0	3.6	4.5	5.7	6.1	11.4	12.7
Full weight	lbs	7.1	9.2	12.1	19.0	27.6	34.5	39.9	69.0	94.1
	Kg	3.24	4.20	5.50	8.63	12.5	15.7	18.1	31.4	42.7

SPARES/REPAIR KITS:

Bottle repair kits (including end stoppers, hardware, PVC cement), end stopper assemblies, O-ring kits. Maintenance Program MRP-2 available.

Conversion kits are available for reworking existing Niskin sample bottles or old 1011 lever action bottles. The bottles can be overhauled by General Oceanics or a conversion fixture is available for customer use.

Consult General Oceanics for special requirements.

**For prices and delivery please e-mail sales@generaloceanics.com.
 Technical data subject to change without notice.**