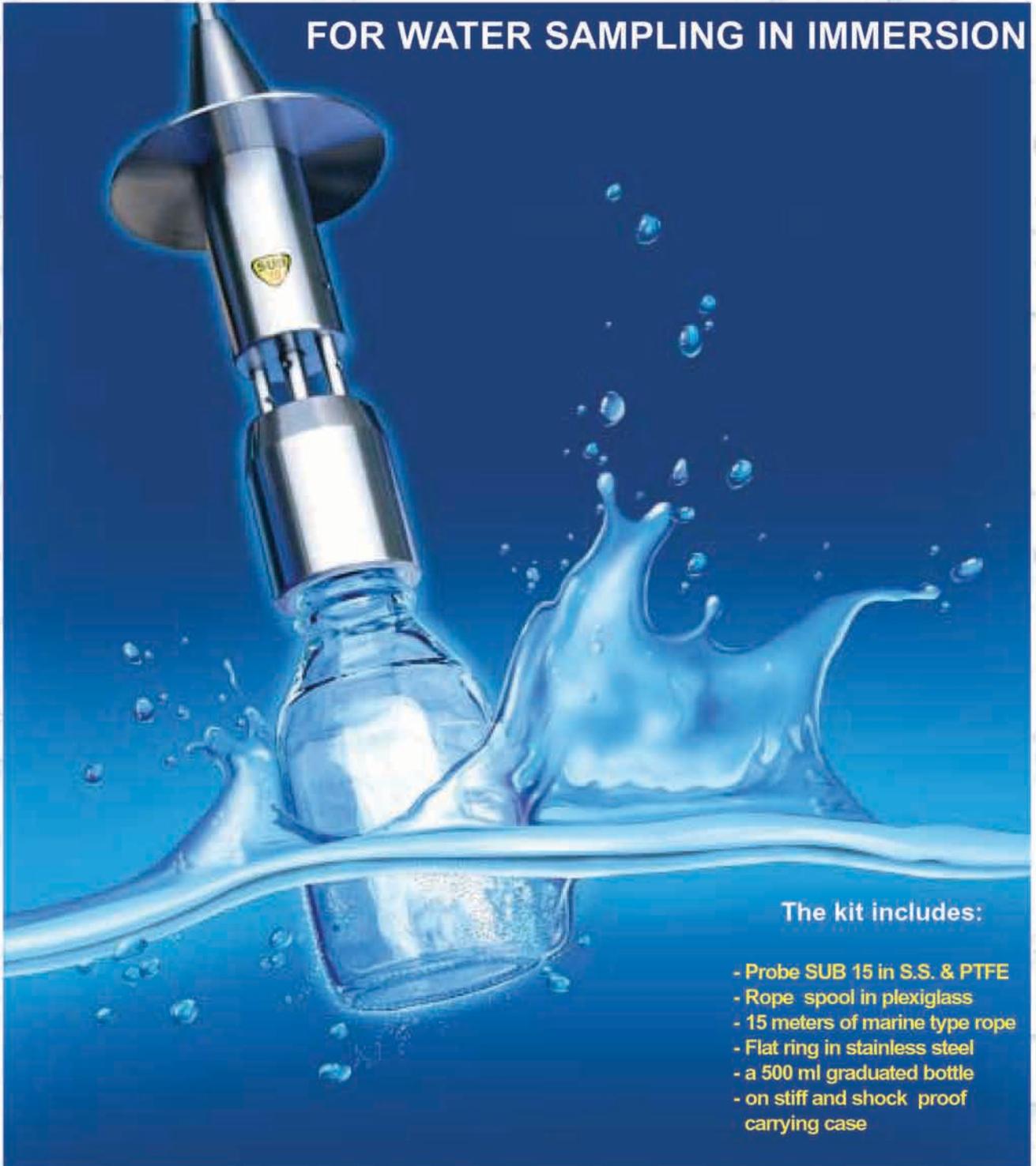


WATER SAMPLING PROBE SUB 15

FOR WATER SAMPLING IN IMMERSION



The kit includes:

- Probe SUB 15 in S.S. & PTFE
- Rope spool in plexiglass
- 15 meters of marine type rope
- Flat ring in stainless steel
- a 500 ml graduated bottle
- on stiff and shock proof carrying case

CRAMI Group Srl

The probe sampler SUB 15 has been designed to collect samples of water or other types of liquids to a maximum depth of 15 meters and enables user to open or close the bottle at the desired height. It is made of stainless steel type 316 and PTFE.

1. How to fix the sterile bottle

Once removed the cap of the bottle which has been previously sterilized, screw the bottle in the lower part of the probe sampler.

2. Check prior the immersion

Keep the probe with the bottle fastened hanging from the rope which is hooked to the upper bar. By giving a light pull, the stainless steel cap will fall down and thus the bottle will get sealed. The equipment is now ready to be plunged into the liquid.

3. Draw samples plunging

It is now possible to plunge SUB 15 into the liquid by a slow slide of the rope, which carries knots at a distance of 1 meter one from the other, in order to enable the user to constantly keep water depth under control. Jerks and shakes to the rope are to be avoided as they may get the probe opening before due time.

4. How to open the bottle to fill it up

Once you have reached the desired water depth, please wait until the rope is fully tight and therefore your arm holding the rope will get suddenly down by approx 40 cm, so that the tension of the rope will be slackened. Remain in this position. By doing so, the bottle will be opened up and as a consequence, you may see air bubbles rising on surface. The bottle is actually filled up once bubbles have ceased rising, but if this should not happen, just rise your arm by 40 centimeters and then suddenly lower it by further 40 centimeters.

5. How to close the bottle into the water once full

By an upward jerk for about 10 cm, you will obtain the sealing of the bottle. For a better result we recommend to let your arm down slowly before you give a jerk which has to be short but sharp at the same time.

6. How to surface the equipment

After sealing the bottle, please avoid further jerks and surface the probe slowly and gradually. By slackening the rope downwards you will cause a new opening of the bottle as described at point 4.

As soon as you have surfaced the equipment, unscrew the bottle and close it using the original cap. It will be easier to carry out actions described at points 4 and 5 by placing the S.S. flat ring in between the lower and the upper parts. This will cause a braking action and will force the samples drawer to react in a faster way to these actions.

The ring working on the magnet has been made of steel treated with cadmium plating, in order to avoid rust and may be replaced if necessary.

The equipment has to be washed and dried up each time after use. If the equipment has to be sterilized, it will be necessary to flame the cone and the lower collar of stainless steel.

Accessories available on request

Item 06.033	300 ml graduated bottle
Item 06.034	500 ml graduated bottle (one unit included in the kit)
Item 06.035	1000 ml graduated bottle
Item 27.461	stiff case for 6 bottles – 1000 ml each

For further information please contact

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* 3 different glass bottles with screw joint for sampling. They are equipped with a cap and can be sterilized in autoclave.



* Handy, light, shock resistant carrying case. It is stuffed with water repellent and punched foam material



* Picture shows how the probe sampler works, open or close