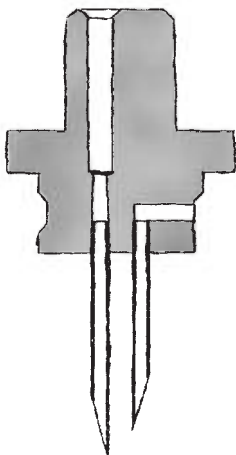


The design of the DOPAK® sampler for liquids centres on the needle assembly. It consists of a housing in which two needles are mounted. In standard practice, the longer needle is connected to the process. The shorter needle is used to vent out the air displaced by the incoming fluid, which is sometimes mixed with gas or vapour.

The vent connection prevents a build up of pressure in the sample container. The vent line should remain open at all times therefore placing valves in the vent outlet should be avoided. To prevent any unwanted backflow of the waste system when the sampler is not in use a check valve could be installed.

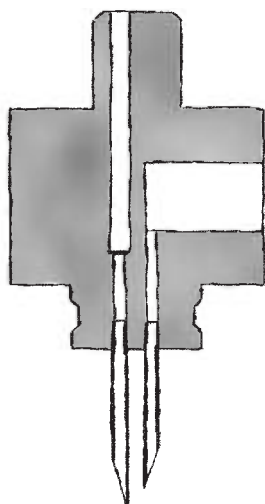
1 MODELS

VTA



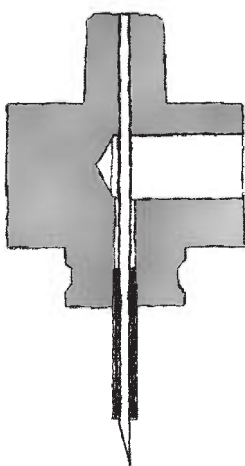
The VTA design (vent to air) allows the air from the bottle to be vented directly to the atmosphere.

VTO



The VTO design (vent to outlet) provides a fitting connection to the vent needle. In this way the vent needle can lead to a waste system, wet collector, scrubber, activated carbon container, or back to the process if the process pressure allows.

CONCENTRIC NEEDLE ASSEMBLY



With this design the process needle is inside the vent needle. As the two needles are using lesser surface of the septum, the sealing of the septum is optimal. This rigid design is a major advantage when taking smaller samples or when needles from a softer material are manufactured.

Consult factory for available models.

2 SPECIFICATIONS

Part no. VTA models	Part no. VTO models	Process / Vent ID		Septum category
		process	vent	
1300000	1300800	0,85	0,85	A B C
1300100	1300900	1,35	1,35	A B C
1300200	1301000	2,00	1,35	A B
1300300	1301100	2,00	2,00	A B
1300400	1301200	3,00	1,35	A B
1300500	1301300	3,00	3,00	A
1300600	1301400	4,00	1,35	A
1300700	1301500	6,00	1,35	A

All standard material SS 316 (L)

To ensure sealing of the septum after sampling the use of larger diameter needles than 1,35 mm I.D. should be limited in accordance with the category given hereafter.

Septum material	Category
Natural rubber	A
EPDM	A
Silicone rubber	B
PTFE coated butyl	B
PTFE coated silicone	B
Viton	C

For any other information required, consult the Sales Department at Bergschenhoek or Houston or your local representative.

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