

Bottle-Top Dispenser VITLAB® TA², VITLAB

The VITLAB® TA² dispenser was developed specifically to meet the high purity requirements in trace analysis. By using highly pure materials and employing a special cleaning procedure, well proven in practice, before the application of the dispenser, it is possible to reduce the release of trace metal to the low ppb and for some applications even to the ppt range. The parts that are in contact with media are made of various fluoroplastics (e.g. ETFE, FEP, PFA, PTFE), Al₂O₃ sapphire, platinum-iridium or tantalum (depending on the version).

The outstanding chemical resistance of the materials used makes the new dispenser suitable for applications involving highly concentrated acids and alkalis, such as perchloric acid, acid sulphur, and azotic acid. Choose between two different valve spring systems to match your application: The VITLAB® TA² with tantalum spring is intended for dosing hydrogen peroxide (H₂O₂). For applications with sodium hydroxide (max. concentration 30%) and hydrofluoric acid (HF), we recommend the platinum iridium spring. To keep the loss of valuable reagents or sample solutions to a minimum, the dispenser is optionally available with a redosing valve.

Included in delivery:

VITLAB® TA² dispenser with adjustable variable volumes, certified compliant according to DIN 12600, with quality certificate, telescoping filling tube, mounting tool, GL 28/S 28 (ETFE), GL 32 (ETFE), and S 40 (PTFE) bottle adapters, and instruction manual. Optionally with or without recirculation valve.

Volume ml	Valve spring	Recirculation	Increment ml	A ≤ ± %	CV ≤ %	Order No.
1.0 – 10.0	Pt-Ir	no	0,2	0.5	0.1	10 85 37515
1.0 – 10.0	Pt-Ir	yes	0,2	0.5	0.1	10 85 37525
1.0 – 10.0	Ta	no	0,2	0.5	0.1	10 85 37535
1.0 – 10.0	Ta	yes	0,2	0.5	0.1	10 85 37545

Error limits according to DIN EN ISO 8655-5, based on nominal volume (= maximum volume) printed on the instrument if the instrument, the environment and dist. H₂O are at the same temperature (20°C). Testing takes place according DIN EN ISO 8655-6 with a completely filled instrument and with uniform and smooth dispensing.

