

Dispensette® TA · Trace Analysis
for dispensing high-purity chemicals.



Dispensette® TA

F I R S T C L A S S · B R A N D

The Dispensette® TA provides outstanding performance for precise-volume dispensing of high-purity media for trace analysis.

The components of the fluid path are constructed of the highest purity materials, such as PFA, PTFE and sapphire. Depending on application, either platinum-iridium or tantalum valve springs can be chosen. The volume range is from 1 to 10 ml.

- Especially well suited for dispensing acids, bases and hydrogen peroxide.
- Trace metal content of dispensed liquid is generally in the low ppb range, or, depending on application, even in the ppt range.



Dispensing of high-purity chemicals in trace analysis



Product features

- Plastics in contact with media consist of high-purity materials such as PTFE, ETFE, FEP, and PFA. The purest sapphire is used for replaceable valves. Depending on the application, platinum-iridium or tantalum are available as spring materials.
- A field-tested cleaning process before use in trace analysis is described in the operating manual.
- If contamination of the bottle contents must be avoided, we recommend using the device without the SafetyPrime™ recirculation valve.
- The 45 mm standard thread plus the included adapters fit most common lab bottles.
- The valve block can be rotated 360° so that the bottle label always faces the user for safety.
- Telescoping filling tube adjusts to different bottle sizes
- Easy disassembly for replacement of the dispensing cartridge

Recommended application range

Dispensing medium	Valve spring: Pt-Ir	Valve spring: Ta
Acetic acid	+	+
Ammonia solution	+	+
Bromine	+	+
Hydrochloric acid	+	+
Hydrofluoric acid	+	-
Hydrogen peroxide	-	+
Nitric acid	+	+
Perchloric acid	+	+
Sodium hydroxide, 30 %	+	-
Sulfuric acid	+	+
Water	+	+

+ suitable
- not suitable

Error limit

Nominal volume	A* ≤ ±		CV* ≤	
	%	μl	%	μl
10	0.5	50	0.1	10

* A = Accuracy, CV = Coefficient of Variation

Error limits according DIN EN ISO 8655-5 related to the nominal capacity (= maximum volume) indicated on the instrument, obtained when instrument and distilled water are equilibrated at ambient temperature (20 °C/68 °F). Testing takes place according DIN EN ISO 8655-6 with a completely filled instrument and with uniform and smooth dispensing.

Conformity certified according to DIN 12 600.

Handling



Replaceable dispensing cartridge

If the piston seal is worn after an extended period of use, the entire dispensing cartridge can easily be replaced without tools by the user. The cartridge is fully adjusted at the factory, and delivered with a performance certificate. No calibration is required after replacement.

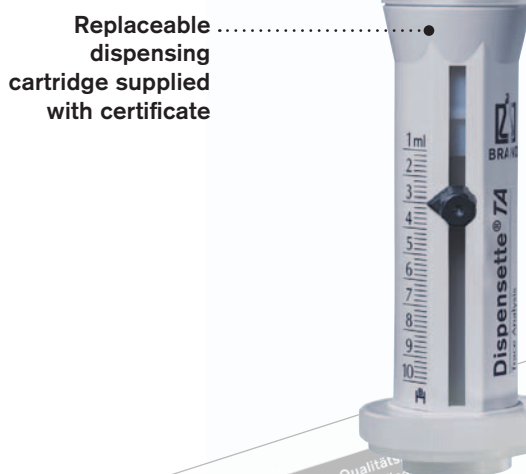
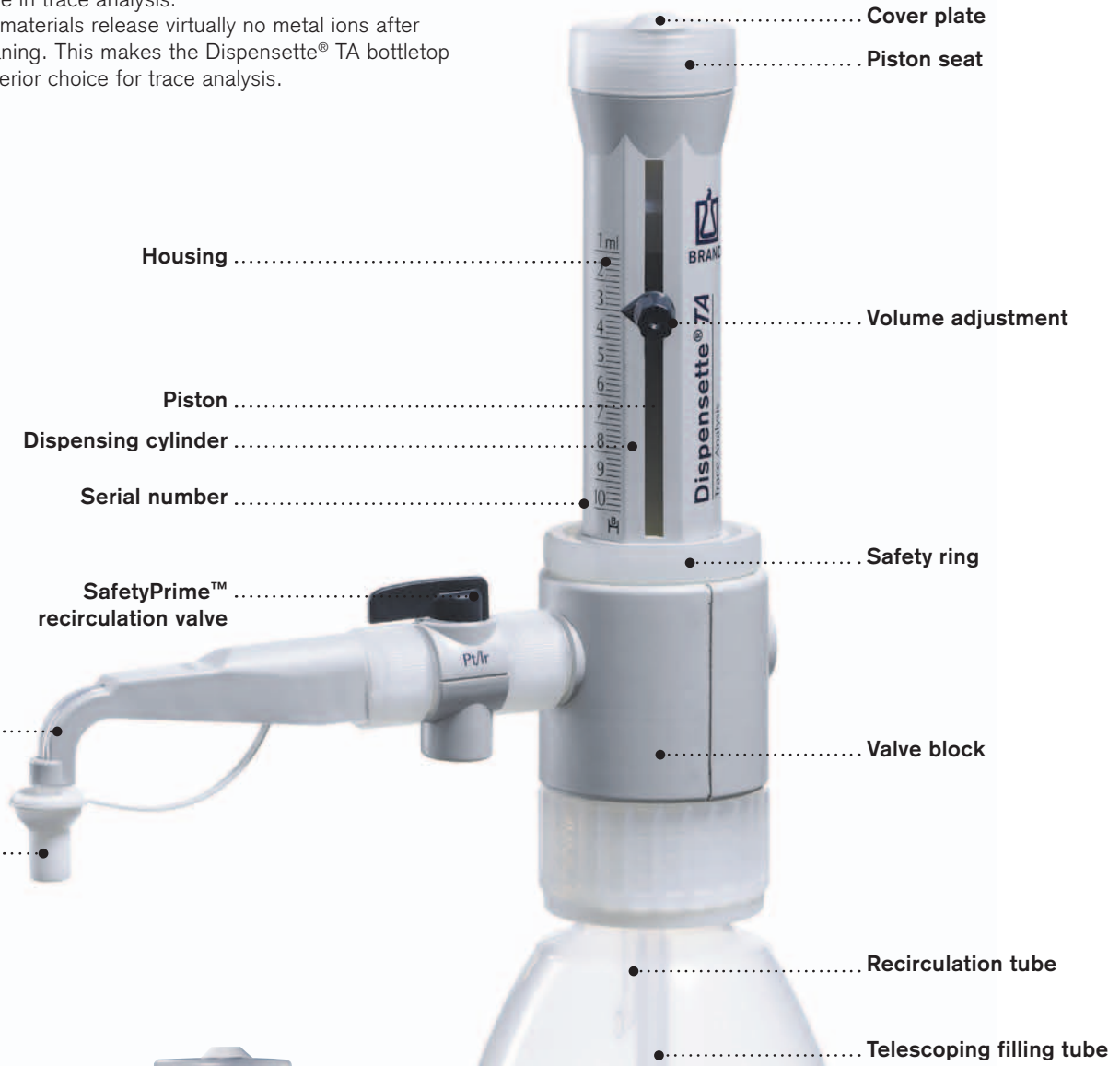


Serial dispensing

For easy serial dispensing, an optional flexible discharge tube with textured safety handle (not approved for HF) permits fast and precise dispensing, even into narrow test tubes. Full functionality of the SafetyPrime™ recirculation valve and the safety discharge system is maintained after installation.

A closer look

Designed for use in trace analysis.
The high-purity materials release virtually no metal ions after appropriate cleaning. This makes the Dispensette® TA bottle-top dispenser a superior choice for trace analysis.



Qualitäts- Certificat		Performance de calidad	
Dispensette® TA, Trace Analysis			
Nennvolumen/Nominal volume:	10.0 ml	Prüfer/Operator	31748
Volumen nominal/Volume nominal:	11H 98256	Ausstellungsdatum/Date of issue:	54
Serie/Serie:		Date de délivrance/Fecha de exposición:	19-Dez-2010
Gemessene Richtigkeit (R): Measured Accuracy (A): Exactitud (E) medida:	0.08 %	Prüfmittel/Testing devices/Instruments de contrôle/ Instrumentos de medición:	300400-8, 162g/0.0001
Gemessener Variationskoeffizient (VK): Measured Coefficient of variation (CV): Coeficiente de variación medida (CV):	0.01 %	Waage/Balanza:	800003-1 F1
<small>Diese Endprüfberichte sind bezogen auf 20 °C. Die Prüfung erfolgte gemäß ISO 9002. Die verwendete Normale wird so die Normen der PTB angefordert. Referenzen für Rückfragen (RQ) sind: Vordruckformulare (VDF) können bei der Abteilung der PTB (Deutscher Federal Institute of Physics and Metrology) bestellt werden. Diese Endwertwerte refer. in 20° C. The test was effected according to ISO 9002. The used Normale wird so die Normen der PTB angefordert. Referenzen für Rückfragen (RQ) sind: Vordruckformulare (VDF) können bei der Abteilung der PTB (Deutscher Federal Institute of Physics and Metrology) bestellt werden. Les notes d'erreur de ces rapports de mesure sont relatives à 20 °C. La test a été effectué selon ISO 9002. Les notes d'erreur de ces rapports de mesure sont relatives à 20 °C. The test was effected according to ISO 9002. The used Normale wird so die Normen der PTB angefordert. Referenzen für Rückfragen (RQ) sind: Vordruckformulare (VDF) können bei der Abteilung der PTB (Deutscher Federal Institute of Physics and Metrology) bestellt werden.</small>		Gewichte/Weights/Poids/Peso:	0911, D1011801, Nr. 02-449
		Thermometer/Thermometer:	351000-3, 0-30°C/0,1°C
		Thermomètre/Termómetro:	(2024, EA.Werth, Nr.3119)
		BRAND GMBH + CO KG Postfach/P.O. Box 1158 97677 Wertheim/Main Germany www.brand.de	

Ordering Information

Dispensette® TA, Analog-adjustable

Items supplied:

Bottle-top dispenser Dispensette® TA, conformity certified, a performance certificate, telescoping filling tube, SafetyPrime™ recirculation valve and recirculation tube (optional), mounting tool, bottle adapters GL 28/S 28 (ETFE), GL 32 (ETFE) and S 40 (PTFE) and operating manual.

Capacity ml	Valve spring	without SafetyPrime™ recirculation valve Cat. No.	with SafetyPrime™ recirculation valve Cat. No.
10	Platinum-iridium	4740 040	4740 041
10	Tantalum	4740 240	4740 241



Accessories · Spare parts

Discharge tubes with integrated valve

Tube closure cap, PTFE,
Pack of 1.



Nominal volume ml	Valve spring	Length mm	Cat. No.
10	Platinum-iridium	90	7079 55
10	Tantalum	90	7079 56

SafetyPrime™ recirculation valves

Pack of 1.

Valve spring, Platinum-iridium

Cat. No. 7060 86

Valve spring, Tantalum

Cat. No. 7060 87



Filling valve with sealing washer

Pack of 1.

Cat. No. 6622



Dispensing cartridge with safety ring

Nominal volume 10 ml, calibrated, incl. quality certificate.
Pack of 1.

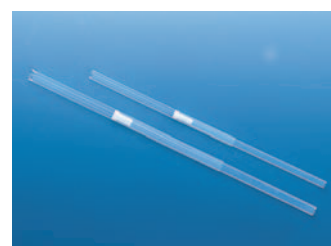
Cat. No. 7075 42



Telescoping filling tubes

FEP. Adjusts to various bottle heights. Pack of 1.

Length mm	Cat. No.
70-140	7042 02
125-240	7042 03
195-350	7042 08
250-480	7042 01



Additional accessories for the Dispensette® TA can be found in the operating manual, or at www.brand.de.

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Subject to technical modification without notice. Errors excepted.

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