

ceramus® dispenser technology with ceramic piston and recirculation system

ceramus® is a highly precise bottle dispenser with a broad range of application for dispensing nearly all liquids.

Ceramic dispensing piston:

ceramus® has a resistant special piston made of high-purity Al₂O₃.

Advantages of the ceramic piston:

- no abrasion
- no swelling
- no thermal problems

High resistance to chemicals:

- top-grade materials guarantee very high resistance to chemicals

Best handling:

- user-friendly recirculation system for fast venting without loss of reagent - good ecology and economy
- latching setting ring for fast and extremely precise settings
- ergonomic handle and excellent sliding properties of the dispensing piston facilitate operation for series dispensings

Modern, well arranged design

Precision and accuracy:

- **no re-calibration**
necessary thanks to a combination of self-latching settings and permanently calibrated volume steps
- individual quality certificate acc. to DIN ISO 9000 ff., suitable for use as test equipment
- with declaration of conformity acc. to DIN 12600

Exemplary safety and choice of materials:

- protective casing helps to prevent breakage of glass cylinders and dispensing bottles
- **screw-coupled**
suction tube prevents the formation of air bubbles during aspiration
- the device is freely rotatable so the label on the supply bottle is always in view
- guided discharge cannula prevents „snip effect“ with the dispensing media

User-friendliness

- Suction, ejection, and return valve are made of highly pure Al₂O₃ ceramic material (99.7%), are inert to the greatest possible extent as well as non-wearing. Easy to replace (mounting wrench enclosed)
- Sterilizable with steam, also when fully assembled

Additional merits:

- Discharge unit available with Luer-Lock connection
- Spiral discharge tube available for series dispensings
- Venting of bottle via the Luer-Lock connection
- Screw-coupled suction tube
- Environment-friendly packaging, fully recyclable
- 12-month manufacturer's warranty

Items supplied:

- ceramus® complete with thread A45, 3 thread adapters (A 32, A 38, and S 40), 1 suction hose with union nut, 1 ejector unit, 1 valve mounting wrench, single calibration certificate.

Special version for problematic media:

- ceramus® HF is a special version for dispensing hydrofluoric acid and other aggressive media
- Innovative dispensing system made of top-grade materials



① ceramus® adjustable volume

Volume ml	Sub-division ml	R %	CV %	Order No.
0.2 – 1.0	0.05	0.6	0.2	14 37 93120
0.4 – 2.0	0.05	0.6	0.2	14 37 93220
1.0 – 5.0	0.10	0.6	0.2	14 37 93320
2.0 – 10.0	0.25	0.6	0.2	14 37 93420
5.0 – 30.0	0.50	0.6	0.2	14 37 93520
10.0 – 60.0	1.00	0.6	0.2	14 37 93620

② ceramus® fixed volume

Volume ml	Sub-division ml	R %	CV %	Order No.
1	-	0.6	0.2	14 37 93121
2	-	0.6	0.2	14 37 93221
5	-	0.6	0.2	14 37 93321
10	-	0.6	0.2	14 37 93421
25	-	0.6	0.2	14 37 93521
50	-	0.6	0.2	14 37 93621

③ ceramus® HF

Volume ml	Sub-division ml	R %	CV %	Order No.
2.0 – 10.0	0.25	0.6	0.2	14 37 93423

④ Thread adapter, ceramus®

Thread adapter made of PP/ETFE for adapting standard internal threads (ceramus®, solarus® und akku-drive®) to bottle external thread.

Thread adapter	to	Material	Order No.
A 45	A 28	PP	10 37 13523
A 45	A 38/430	PP	10 37 13524
A 45	A 32	ETFE	14 37 13621
A 45	A 28	ETFE	10 37 13623
A 45	A 38/430	ETFE	10 37 13624
A 45	A 38	ETFE	14 37 13625
A 45	S 40	ETFE	14 37 13627

Accessories

Article	Order No.
Discharge valve, ball Al₂O₃, platinum-iridium spring (HF)	14 37 16028
Discharge valve, ball Al₂O₃, Hastelloy spring	10 37 16010
for ceramus® classic up to 10 ml	
Discharge valve, ball Al₂O₃, Hastelloy spring	10 37 16015
for ceramus® and ceramus® classic from 25 ml	
Suction valve, ball Al₂O₃, platinum-iridium spring (HF)	14 37 16528
Suction valve, ball Al₂O₃, Hastelloy spring	10 37 16510
for ceramus® classic up to 10 ml	
Suction valve, ball Al₂O₃, Hastelloy spring	10 37 16515
for ceramus® and ceramus® classic from 25 ml	
Return valve, ball Al₂O₃, platinum-iridium spring (HF)	14 37 16626
Return valve, ball Al₂O₃, Hastelloy spring	10 37 16615
Mounting wrench	14 37 16901
Ejection unit standard	14 37 13025
complete, with full-length cannula guide, suitable for ceramus®	

⑤ Ejection unit, flexible, spiral-shaped, length approx. 1 m 14 37 13027

Discharge unit, complete, with Luer-Lock connection adapter 14 37 13028

FEP/PP, suitable for all ceramus®-devices and akku-drive®

Discharge unit with Luer-Lock connection	10 37 13029
Suction tube with fitting, 310 mm	14 37 15005
Suction tube with fitting, 400 mm	14 37 15007
Return tube with fitting, ceramus® only	14 37 15125
Bottle support	10 37 93960
Round filter- set (5 pieces)	27 37 03704

