

DISPENSATION

- **Dispensers, page 414**
- **Liquid transfer systems, page 416**

DISPENSATION: Dispensers

Dispensers
SCHARLAU

Economical and chemically resistant dispensers, with precision dosage thanks to an optimized pumping system. A PTFE adjustment system makes it compatible with all media that do not attack PTFE or borosilicate glass, ergo, nearly all solvents and acids. Exceptions: solutions containing hydrofluoric acid, crystallizing solutions, which contain or form solid materials, as well as catalytically modifiable substances by platinum-iridium. Oxidizable solutions, inorganics (e.g. Biuret reagent) that can precipitate malic oxides. Sterilization resistant when autoclaved at 121°C. Suitable for acids and bases. disassembled for easy cleaning. Provided with a calibration certificate and 2 adaptors.

Range (ml)	Dosage (ml)	Dead space (ml)	Inaccuracy (VK)	Imprecision (CV)	Adapter GL	Pack (u.)	Art. No.
0,5 to 2,5	0,05	0,21	±0,6%	≤0,1%	28, S40, 45	1	033-065.01
1 to 5	0,10	0,18	±0,5%	≤0,1%	28, S40, 45	1	033-065.02
2 to 10	0,20	0,17	±0,5%	≤0,1%	28, S40, 45	1	033-065.03
5 to 25	0,50	1,20	±0,5%	≤0,1%	32, 38, 40	1	033-065.04
10 to 50	1,00	1,31	±0,5%	≤0,1%	32, 38, 40	1	033-065.05
20 to 100	2,00	1,21	±0,5%	≤0,1%	32, 38, 40	1	033-065.06

Accessories

Description	Pack (u.)	Art. No.
Telescopic filling tube. Can be elongated from 200 to 350mm	1	0331671085
Kit (consists of an adapter for 5 litre can dispenser + filling tube)	1	033-AD5L+T
30cm filling tube (for 25 to 100ml dispensers), 8x10mm	1	033-TUB030
30cm filling tube (for dispensers up to 10ml), 6x8mm	1	033TUB030P

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Ceramus® Dispensers

HIRSCHMANN

High Class dispensing. All components which determine volume are manufactured of ceramics and precise calibrated glass. The dispensing piston made of high-purity aluminium oxide ceramic and the DURAN® glass cylinder guarantee a maximum level of chemical and thermal resistance. The high-quality materials in all parts conveying medium enable use within a temperature range from 4°C to 50°C. The complete unit can be steam sterilised at 121°C without dismantling. Absolute reproducibility. Thanks to its toothed graduated plunger recalibration is unnecessary. Equipped with a unique recirculation system. Ergonomic design. Rotates 360° on bottle. Reference 6709342300 corresponds to HF model, specially conceived for hydrofluoric acid dispensing. Can be adapted directly to flasks with GL45 mouth and is provided with three adaptors (GL32, GL38 and S40).

Range (ml)	Subdivisions (ml)	Inaccuracy (%)	Imprecision CV (%)	Pack (u.)	Art. No.
0,2-1,0	0,05	0,6	0,2	1	6709312000
0,4-2,0	0,05	0,5	0,1	1	6709322000
1,0-5,0	0,1	0,5	0,1	1	6709332000
2,0-10,0	0,25	0,5	0,1	1	6709342000
2,0-10,0	0,25	0,5	0,1	1	6709342300
5,0-30,0	0,5	0,5	0,1	1	6709352000
10,0-60,0	1,0	0,5	0,1	1	6709362000

Accessories

Description	Pack (u.)	Art. No.
FEP discharge tube	1	6709313025
Flexible discharge tube, spiral (approx. 1m working distance) I.D. 1,5mm	1	6709313026
Flexible discharge tube, spiral (approx. 1m working distance) I.D. 3mm	1	6709313027
Fitting wrench	1	6709316901
FEP suction tube 310mm	1	6709315005
FEP suction tube 400mm	1	6709315007



Genius dispensers

VITLAB

High precision dispenser. Plunger with a PFA edge. Special redosing valve to prevent reagent loss during the purging process. Materials in contact with liquids: PTFE, PFA, FEP, borosilicate glass and iridium-plastic. Resistant to most acids, solvents and bases. Reference 0001606515 is special for hydrofluoric acid. Autoclavable at 121°C. Provided complete with: 3 PP adaptors, 1 telescopic suction hose (from 200 to 350mm), 1 fitting wrench, instruction manual and a certificate of quality.

Range (ml)	Inaccuracy (%)	CV (%)	Dosage	Thread GL	Adapter	Pack (u.)	Art. No.
0,25-2,5	≤±0,6	≤0,1	0,05	32	28, 40, 45	1	0001605503
0,5-5,0	≤±0,5	≤0,1	0,10	32	28, 40, 45	1	0001605504
1,0-10,0	≤±0,5	≤0,1	0,20	32	28, 40, 45	1	0001605505
2,5-25,0	≤±0,5	≤0,1	0,50	45	32, 38, S40	1	0001605506
5,0-50,0	≤±0,5	≤0,1	1,00	45	32, 38, S40	1	0001605507
10,0-100,0	≤±0,5	≤0,1	2,00	45	32, 38, S40	1	0001605508
1,0-10,0	≤±0,5	≤0,1	0,20	45	25, 28, 32, 38, S40	1	0001606515

Accessories

Description	Pack (u.)	Art. No.
Telescopic filling tube (200-350mm length) FEP, ETFE, PTFE all sizes.	1	0331671085



Piccolo microdispensers VITLAB

For dosing of tiny quantity of liquids with precision. The ergonomic design allows its use with just one hand. Discharge tube can be rotated 360°. Liquid only comes in contact with PTFE, PFA, ETFG, FEP, borosilicate glass and platinum-iridium. Piccolo 1 is available with different fixed volumes. Piccolo 2 allows the selection of 2 fixed volumes using a simple rotatory movement. Provided complete with: discharge cannula, expulsion tube, mounting key and instruction manual.

Model	Range (µl)	Inaccuracy (%)	CV	Thread GL	Adapter GL	Pack (u.)	Art. No.
Piccolo 1	100	≤±3,0%	≤0,4%	28	32	1	0001610501
Piccolo 1	200	≤±2,5%	≤0,4%	28	32	1	0001610502
Piccolo 1	250	≤±2,0%	≤0,4%	28	32	1	0001610503
Piccolo 1	500	≤±1,5%	≤0,3%	28	32	1	0001610504
Piccolo 1	1000	≤±1,0%	≤0,2%	28	32	1	0001610506
Piccolo 2	100/250	≤±2,0%	≤0,4%	28	32	1	0001611503
Piccolo 2	500/1000	≤±1,0%	≤0,2%	28	32	1	0001611506
Piccolo 2	1000/2000	≤±1,0%	≤0,2%	28	32	1	0001611508

DISPENSATION: Liquid transfer systems



Otal pumps BÜRKLE

Thanks to its flexible conical PVC adaptor, it can be used with a wide variety of containers, with mouths from 30 to 70cm diameter. Liquid is extracted when introducing air pressure with a hand bulb (manual pump) or by a foot blower (foot pump). All parts in contact with liquid are made of polypropylene. Pumping capacity: 26L/min. Telescopic suction hose of 70cm (I.D. 18mm; E.D. 23mm).

Description	Pack (u.)	Art. No.
Foot Pump. Ø 14cm bellows. 150cm hose	1	004-018471
Hand pump	1	004-017201



Plastic siphon BÜRKLE

For water and other harmless liquids. The suction hose is 75cm long and 13mm in diameter. 100cm long hose with an approximate aspiration path volume: 15ml.

Description	Pack (u.)	Art. No.
Plastic siphon	1	004-007321

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