

Насосы для растворителей CARL ROTH Mini, SEKUROKA, Piccolo

Технические характеристики

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Solvent pumps



Solvent pump Mini

Bürk. Material: PTFE, Stainless steel.

For ultra-pure fluids and highly flammable media.

- Works according to the excess pressure principle, pressure relief valve protects against excessive build-up of pressure
- Connection apparatus for earthing cable to discharge electrostatic charges
- Medium is filled at the press of a button
- Integrated outlet spout (external Ø 7 mm) prevents dripping and allows tubing to be attached

Technical specifications:

Art. No.	APE4.1
Delivery rate	1,8 l/min
Immersion depth	400 mm
Ø Immersion tube	8 mm
Conductive	Yes
Drum	up to 5 l

Delivery incl. earthing cable and PTFE riser (internal Ø 6 mm, 1 mm wall thickness, 400 mm length).

Thread	Art. No.	Pack Qty.	
GL 45	APE4.1	1 unit(s)	



Anti-static set ROTH

ROTH SELECTION.

Protects against fire and explosion due to electrostatic charge when filling from solvent barrels. Consists of two isolated cables (each L 3 m, Ø 3 mm) with clamping tongs on both sides and a blank copper wire (L 3 m, Ø 2 mm) with a clamping tong on one side.

Version	Art. No.	Pack Qty.	
ROTH anti-static set	0213.1	1 unit(s)	



Solvent pump hand pump

ROTH SELECTION. Material: PTFE, Stainless steel 1.4301.

For ultra-pure fluids and highly flammable media.

- Works according to the excess pressure principle
- Fixed drainage elbow with stopcock
- Pump can be shut off hermetically by two ball valves

Technical specifications:

Art. No.	N103.1
Immersion depth	275 / 410 mm
Ø Immersion tube	16 mm
Conductive	Yes
Drum	10 l and 25 l
Weight	1,2 kg

Note:

Note: The container and the pump must be earthed using the ROTH anti-static set (Art. No. 0213.1) during filling of flammable liquids.

In addition, no thread adapters can be mounted on the barrel screw joint supplied.

Delivery incl. barrel screw joint and immersion tubes for 10 l (length incl. pump ball: 450 mm) and 25 l (length incl. pump ball: 575 mm) containers.

Thread	Art. No.	Pack Qty.	
2" steel fine thread	N103.1	1 unit(s)	

Solvent pumps



Solvent pump SEKUROKA®

Carl ROTH. Material: PTFE, Stainless steel 1.4301 and 1.4305.

For filling of flammable liquids.

- Works according to the piston stroke principle.
- Immersion tube is continuously adjustable to barrel depth.
- Near-complete emptying of the barrels.
- Removable drainage elbow for connecting a drainage hose with stopcock, please order separately.

Technical specifications:

Art. No.	N502.1	N503.1
Delivery rate	140 ml	200 ml
Immersion depth	570 mm	910 mm
Ø Immersion tube	32 mm	
Conductive	Yes	
Drum	up to 50 l	up to 200 l
Weight	1.2 kg	1.8 kg

Note:

The delivery rate refers to one stroke.

The container and the pump must be earthed using the ROTH anti-static set (Art. No. 0213.1) during filling of flammable liquids.

Delivery incl. barrel screw joint.

Thread	Length (mm)	Art. No.	Pack Qty.
2" steel fine thread	680	N502.1	1 unit(s)
2" steel fine thread	1,020	N503.1	1 unit(s)



Solvent pump foot pump

Bürklee. Material: PTFE, Stainless steel 1.4301.

For ultra-pure fluids and highly flammable media.

- Works according to the excess pressure principle
- A barrel screw joint and stopcock allow the container and pump to be hermetically sealed
- Immersion tube can be continuously adjusted to barrel depth

Technical specifications:

Art. No.	CPT5.1	CPT6.1
Delivery rate	20 l/min	
Immersion depth	950 mm	
Ø Immersion tube	21.3 mm	
Conductive	Yes	
Drum	up to 220 l	
Weight	3.5 kg	4.4 kg

Note: The container and the pump must be earthed using the ROTH anti-static set (Art. No. 0213.1) during filling of flammable liquids.

Delivery incl. barrel screw joint.

Pic.	Version	Thread	Length (mm)	Art. No.	Pack Qty.
(1)	with discharge elbow	2" steel fine thread	1,485	CPT5.1	1 unit(s)
(2)	with drainage hose	2" steel fine thread	1,485	CPT6.1	1 unit(s)



Barrel pumps, electric



Barrel pump

Bürkle. Material: Hastelloy, PP, PVDF, PTFE (in contact with media).

- Unique hybrid system makes filling liquids fast and versatile, i.e. by changing the supply units to use either with battery or mains adapter
- The drive can be disconnected easily via a clip lock. This makes it possible to use one drive for filling at several stationary pump stations
- continuously variable control of flow rate from 0.4 l/min to 12 l/min via TouchPanel
- barrel screw joint can be continuously adjusted with respect to height and this secures the barrel pump in the barrel

Available as an option:

- Flexible drain hose with nozzle.
Drain hose connection $\frac{3}{4}$ "

Technical specifications:

Art. No.	PL80.1	PL81.1	PL82.1	PL83.1	PL84.1	PL85.1
Motor Ex-protected	no					
Delivery rate	12 l/min					
Immersion depth	500 mm	700 mm	1000 mm	500 mm	700 mm	1000 mm
Ø Immersion tube	25 mm					
Weight	750 kg			580 kg		
Power supply	Lithium-Ion rechargeable battery/14.4 V/1.5 Ah					

AccuOne

- Battery-operated barrel pump (offers versatility and independence from the power supply)
- Up to 600 litres of delivery volume per battery charge

Delivery incl. fixed drainage elbow, battery and charger.

Barrel screw joint not included, please order separately.

Length (mm)	Art. No.	Pack Qty.
825	PL80.1	1 unit(s)
1,025	PL81.1	1 unit(s)
1,325	PL82.1	1 unit(s)

EnergyOne

- Mains-operated barrel pump (offers versatility and independence from battery charging)
- Unlimited filling duration

Delivery incl. fixed drainage adapter, mains adapter and international plug adapter.

Barrel screw joint not included, please order separately.

Length (mm)	Art. No.	Pack Qty.
825	PL83.1	1 unit(s)
1,025	PL84.1	1 unit(s)
1,325	PL85.1	1 unit(s)



Barrel pump electric

Lutz-Pumpen.

To pump fluid media out of large containers

Technical specifications:

Art. No.	KH51.1	KH52.1	KA12.1	X352.1	KA13.1	KA14.1
Motor Ex-protected	no				yes	
Delivery rate	75 l/min		85 l/min	80 l/min	95 l/min	
Immersion depth	700 mm	1000 mm				
Delivery height	7 nWC		19 nWC	17 nWC	14 nWC	
Density	1.3 kg/dm³		1.4 kg/dm³	1.8 kg/dm³	1.6 kg/dm³	
Viscosity	300 mPas			800 mPas	350 mPas	
Performance	200 W		500 W	575 W	460 W	
Cable length	3 m		5 m			
Mains connection	230 V, 50 Hz					

Set

For aqueous fluids, diluted acids and alkalis, hydrogen peroxide, etc.

Material:

- Nozzle made of PP
- Immersion tube made of PP

Delivery incl. 1.5 m PVC tubes $\frac{3}{4}$ ", single-handed tap valve, suspension apparatus.

Version	Art. No.	Pack Qty.
1	KH51.1	1 unit(s)
2	KH52.1	1 unit(s)

Set 3

For thin alkalis, sodium hydroxide, potassium hydroxide, ammonia water, formic acid, acetic acid, etc.

Material:

- Nozzle made of PP/FEP
- Immersion tube made of PP

Delivery incl. 2.0 m PVC spiral hose $\frac{3}{4}$ " (DN 19), nozzle, barrel adapter (PP).

Version	Art. No.	Pack Qty.
3	KA12.1	1 unit(s)

Set 4

For most concentrated acids and alkalis, such as hydrochloric acid, sulphuric acid, hydrofluoric acid, etc.

Material:

- Nozzle made of PVDF
- Immersion tube made of PVDF

Delivery incl. 2.0 m specialised chemical hose $\frac{3}{4}$ " (DN 19), nozzle, barrel adapter (PP).

Version	Art. No.	Pack Qty.
4	X352.1	1 unit(s)

Barrel pumps, electric

Set 5 Ex

For highly flammable hydrocarbons, such as ethanol, gasoline, isopropanol, kerosene, methanol, petroleum, etc.

Material:

- Nozzle made of brass/PTFE
- Immersion tube made of stainless steel

Delivery incl. 2.0 m coolant hose $\frac{3}{4}$ " (DN 19), conductive hose connections, nozzle, equipotential bonding, PP barrel adapter, safety plug not protected against explosions. Universal motor protected against explosions according to ignition protection category II 2 G EEx de IIC T6 (ATEX), stainless steel pump system protected against explosions according to ignition protection category Ex II 1/2 G IIB T4 (ATEX).

Version	Art. No.	Pack Qty.	
5 Ex	KA13.1	1 unit(s)	

Set 6 Ex

For potentially explosive liquids, such as acetone, conc. formic acid, ethyl acetate, butyl acetate, conc. acetic acid, nicotine, toluene, styrene, etc.

Material:

- Nozzle made of Niro/FEP
- Immersion tube made of stainless steel

Delivery incl. 2.0 m chemical hose $\frac{3}{4}$ " (DN 19), conductive hose connections, nozzle, equipotential bonding, PP barrel adapter, safety plug not protected against explosions. Universal motor protected against explosions according to ignition protection category II 2 G EEx de IIC T6 (ATEX), stainless steel pump system protected against explosions according to ignition protection category Ex II 1/2 G IIB T4 (ATEX).

Version	Art. No.	Pack Qty.	
6 Ex	KA14.1	1 unit(s)	



Canister pump battery-operated

Bohlender. Material: PP, PTFE, Hastelloy.

Suitable for low-risk filling and transferring of liquids that are similar to water (e.g. alkalis, acids, etc.). Can be universally used and easy to operate. Powerful and light (500 g incl. batteries). Two batteries (Mono 1.5 V) are required for operation.

Technical specifications:

Art. No.	E490.1	E491.1
Motor Ex-protected	no	
Delivery rate	6 l/min	
Immersion depth	400 mm	600 mm
Ø Immersion tube	25 mm	

Delivery without batteries, please order separately.

Length (mm)	Art. No.	Pack Qty.	
630	E490.1	1 unit(s)	
830	E491.1	1 unit(s)	



Dispensers Piccolo

Vitlab.

With two fixed volumes. Ideally suited to dispensing long series. Manual push-button delivery, automatic refilling. Good chemical resistance thanks to high-quality materials, but not suitable for vaporous media.

- Precise media delivery
- Freely rotatable discharge tube on the bottle
- Choice of 2 fixed volumes
- Valve block with GL 28 thread

Parts in contact with media:

PTFE, FEP, ETFE, PFA, borosilicate glass, platinum-iridium

Technical specifications:

Art. No.	Y698.1	Y699.1	Y697.1
Correctness	1,0 %		2,0 %
Variation coefficient	0,2 %		0,4 %

Volume (µl)	Art. No.	Pack Qty.	
100 / 250	Y697.1	1 unit(s)	
500 / 1000	Y698.1	1 unit(s)	
1000 / 2000	Y699.1	1 unit(s)	



Automatic pipettes

BRAND. Material: DURAN® glass (Dosing attachment).

Calibrated to "Ex". Neck: NS 29/32. Labelling in green enamel paint. Particularly suited for dispensing suspensions.

Delivery without bottle, please order separately.

Volume (ml)	Tolerance (ml)	Art. No.	Pack Qty.	
5	±1,0	Y446.1	1 unit(s)	
10	±1,0	Y447.1	1 unit(s)	
20	±2,0	Y448.1	1 unit(s)	
25	±2,5	Y449.1	1 unit(s)	
50	±5,0	Y450.1	1 unit(s)	
100	±10,0	Y451.1	1 unit(s)	

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