

# TOPSELLERS

**FILL OFF LIQUIDS – BUT DO IT SAFELY!**



## Safety is the number one priority

Hazardous liquids must never be filled off by pouring them out directly. Even the use of a funnel does not provide the required degree of safety when filling off hazardous liquids.

- ▶ Increased accident risk by slipping on dirty floors
- ▶ Skin diseases or poisoning by spilt chemicals
- ▶ Health hazard from harmful vapors

Safety during filling off must be the number one priority – for your own personal protection!

This means that purchasing a suitable pump for filling off hazardous liquids is an investment in the safety and health of your employees which pays for itself in a very short time.

## OTAL® hand pumps



- ▶ Particularly compact, space-saving hand pump
- ▶ Good pump capacity
- ▶ With universal bungs made of soft PVC, for container openings of 30–70 mm Ø
- ▶ **Delivery tubes made of PP**, resistant to weak acids, alkalis and detergents
- ▶ **Delivery tubes made of PVDF**, suitable for acids and alkalis, not for heavily oxidising acids and alkalis. Resistant to chlorine bleach
- ▶ **Delivery tubes made of stainless steel AISI 304**, for liquids that are not easily combustible in Hazard Category AIII (VbF)

## OTAL® foot pumps



- ▶ Very good pump capacity due to large volume foot bellows
- ▶ With universal bungs made of soft PVC, for container openings of 30–70 mm Ø
- ▶ **Delivery tubes made of PP**, resistant to weak acids, alkalis and detergents
  - ▶ **Delivery tubes made of PVDF**, particularly for acids and alkalis, not for heavily oxidising acids and alkalis. Resistant to chlorine bleach
  - ▶ **Delivery tubes made of stainless steel AISI 304**, for liquids that are not easily combustible in Hazard Category AIII (VbF)

Version	Pump capacity l/min	Tube Ø mm	Immersion depth cm	Item no.	
Delivery tube made of PP	26	18	70	5005-1800	N4
Delivery tube made of PP	20	15	70	5005-1500	N4
Delivery tube made of PP	14	12	70	5005-1200	N4
Delivery tube made of PVDF	20	16	70	5005-3000	N4
Delivery tube, stainless steel AISI 304	26	18	90	5005-4000	N4
Delivery tube PP, discharge hose PVC	12	12	70	5005-6000	N4
OTAL mini pump, delivery tube PP	4	10	45	5005-1000	N4

Version	Pump capacity l/min	Tube Ø mm	Immersion depth cm	Item no.	
Delivery tube made of PP	30	22	90	5000-2200	N4
Delivery tube made of PP	26	18	70	5000-1800	N4
Delivery tube made of PP	20	15	70	5000-1500	N4
Delivery tube PP, discharge hose PVC	12	12	70	5000-3012	N4
Delivery tube made of PVDF	20	16	90	5000-4016	N4
Delivery tube, stainless steel AISI 304	26	18	90	5000-5018	N4

## OTAL® disposable pumps



OTAL pump with disposable delivery tube made of PE, for single use. In OTAL pumps the medium being transferred comes in contact only with the delivery tube. The disposable delivery tube can be replaced quickly and easily after use. The delivery tube of the liquid transfer pump is made of a single piece and can easily be shortened to the respective container height using the cutter included with delivery. This offers maximum flexibility and guarantees good emptying of small remaining amounts from the container. The discharge of the delivery tube can also be shortened if necessary. The disposable pump is ideal when special purity is important or if cleaning is difficult or not possible at all.

- ▶ Disposable delivery tube made of PE, can be reordered in pack of 10
- ▶ Disposable delivery tubes, can be cut to length individually
- ▶ With universal plug made of soft PVC, for container volumes Ø 30-70 mm
- ▶ Scope of delivery: Pump ball, universal plug, cutter and 10 disposable delivery tubes



① OTAL® disposable hand pump			
Pump capacity approx. l/min	Tube Ø mm	Immersion depth cm	Item no.
14	12	90	5005-8012 N4
② OTAL® disposable foot pump			
14	12	90	5000-8012 N4
Delivery tubes PE for OTAL® disposable pumps			
			5000-8000 N4

## AccuOne/EnergyOne | flexible – reliable – convenient – with the hybrid system



**AccuOne, driven by rechargeable battery**, features a unique new hybrid system with complete flexibility and independence from the electrical network. A powerful light rechargeable battery with the latest next generation lithium-ion technology, without memory effect, with auto-stop function before deep discharge.



- ▶ Up to 600 litres of delivery volume per battery charge, replacement back-up battery available
- ▶ Optionally available with rechargeable battery or power supply unit (available as accessory)



**The barrel pump driven by power supply unit, EnergyOne**, features a unique new hybrid system with complete flexibility and independence from battery charging.

- ▶ Power supply via 230 V power supply unit, international plug adapter included with delivery
- ▶ Optionally available with power supply unit or rechargeable battery (available as accessory)

AccuOne barrel pump driven by rechargeable battery	
Immersion depth cm	Item no.
50	5900-1050 N4
70	5900-1070 N4
100	5900-1100 N4

EnergyOne barrel pump driven by power supply unit	
Immersion depth cm	Item no.
50	5900-2050 N4
70	5900-2070 N4
100	5900-2100 N4

## Pump-it® container pump | robust, easy to handle

Pump-it® canister pumps are designed for quickly and cleanly emptying canisters and small barrels up to 60 l. Pump-it® is suitable for weak acids, alkalis and petrochemicals. Please take into account the detailed information about chemical resistance. Not suitable for hydrochloric acid!

- ▶ Medium-contacting parts made of PP, PE and FKM
- ▶ Pump threads suitable for container threads 64 mm Ø (BSI)
- ▶ Exact dosing, no drips
- ▶ Container completely emptied thanks to step-less length adjustment of immersion tube

Thread adapter set: You will find the adapters belonging to the set on the following page marked with an asterisk (\*).

Material	Immersion depth cm	Pump capacity approx. l/min	Item no.
PP/FKM	100	8	5201-1000 N4
Thread adapter set for Pump-it®			5201-0030 N4



## Stainless steel barrel pump | for flammable liquids

The Bürkle barrel pump made of stainless steel AISI 304 (1.4301) is suitable for filling combustible and easily flammable liquids. The barrel pump can conduct electricity and

therefore fulfills the requirements for handling flammable liquids in combination with the accessory antistatic set.



Version	Immersion depth cm	Total length cm	Pump capacity ml per stroke	Item no.
① with discharge tube	36	48	190	5601-0400 N4
① with discharge tube	57	69	330	5601-0500 N4
① with discharge tube	91	103	540	5601-0800 N4
② with discharge hose with stopcock	36	48	190	5601-0401 N4
② with discharge hose with stopcock	57	69	330	5601-0501 N4
② with discharge hose with stopcock	91	103	540	5601-0801 N4
Anti-static set, prevents electrostatic build-up				5602-1000 N4

## PP barrel pump | robust industrial quality

The good chemical resistance of PP allows acids, alkalis and aggressive detergents to be transferred.

- ▶ Seals made of PTFE
- ▶ Immersion tube Ø 32 mm
- ▶ Capacity up to approx. 12 l/min
- ▶ For barrels and tanks of 30–1000 litres
- ▶ Barrel screw joint as accessory



① PP barrel pump - discharge tube				
Immersion depth cm	Total length cm	Pump capacity ml/stroke	Item no.	
50	60	200	5600-0501	N4
65	74	230	5600-0651	N4
80	90	260	5600-0801	N4
100	109	300	5600-1001	N4
125	134	300	5600-1251	N4
150	159	300	5600-1501	N4
② PP barrel pump - discharge hose/stopcock				
50	60	200	5600-0502	N4
65	74	230	5600-0652	N4
80	90	260	5600-0802	N4
100	109	300	5600-1002	N4
125	134	300	5600-1252	N4
150	159	300	5600-1502	N4

## PTFE barrel pump Ultrapure | for transferring ultrapure liquids

Due to the high chemical resistance of the medium-contacting parts made of PTFE and FEP, even liquids which attack conventional materials such as PP or PVC can now be safely transferred (except for elemental fluorine).

The stopcock prevents hazardous vapours from escaping, and stops dripping after transfer.



Model	Immersion depth cm	Immersion tube Ø mm	Pumping capacity ml/stroke	Item no.
① Discharge tube	40	32	180	5606-0400 N4
① Discharge tube	60	32	270	5606-0600 N4
① Discharge tube	95	32	400	5606-1000 N4
② Discharge hose	40	32	180	5606-0401 N4
② Discharge hose	60	32	270	5606-0601 N4
② Discharge hose	95	32	400	5606-1001 N4

## Barrel screw joints and plugs



Here we offer you a wide range of thread adapters. They will fix pumps or barrel pump screw joints safely to containers.

	Item no.
① Brass barrel screw joint	
R 2" steel fine outer thread	5601-0100 N4
② PP barrel screw joint	
R 2", steel fine outer thread	5600-3130 N4
Mauser 2", coarse outer thread	5600-3170 N4
Tri-Sure, coarse outer thread	5600-3180 N4
③ Container screw joint	
Opening dia. 60 mm	5600-3140 N4
④ Gastight barrel connector	
R 2" steel fine outer thread	5601-0130 N4
⑤ PVC barrel plug	
Opening dia. 40-70 mm	5600-3150 N4
⑥ Universal thread adapter	
Opening dia. 48-75 mm, Tube Ø 32 mm	5601-0120 N4

## Thread adapters PP

External thread	Internal thread	Colour	Item no.
Tri-Sure	2" BSP	orange	0600-1006 N4
Mauser	2" BSP	blue	0600-1010 N4
Tri-Sure	Mauser	red	0600-1011 N4
Mauser	Tri-Sure	purple	0600-1012 N4
US drum thread	2" BSP	silver	0600-1007 N4
61 mm	2" BSP	grey	0600-1008 N4
61 mm	3" coarse	natural	0600-1009 N4
64 mm (BSI)	DIN 60	black	0600-1014 N4
64 mm (BSI)	DIN 51	black	0600-1016 N4
64 mm (BSI)	DIN 61	yellow/blue	0600-1013 N4
64 mm (BSI)	DIN 71	brown/blue	0600-1001 N4
Internal thread		Colour	Item no.
35 mm - 2" BSP		black	0600-2004 N4
40 mm - 2" BSP		black	0600-2012 N4
51 mm - 2" BSP		green	0600-2005 N4
DIN 61 - 2" BSP		yellow	0600-2001 N4
63 mm - 2" BSP		white	0600-2006 N4
DIN 71 - 2" BSP		brown	0600-1003 N4
External thread		Colour	Item no.
61 mm - Tri-Sure		black/orange	0600-3006 N4
61 mm - 2" BSP		black	0600-3007 N4
2" coarse Mauser - 64 mm (BSI)		green	0600-3004 N4
2" coarse Tri-Sure - 64 mm (BSI)		brown	0600-3002 N4
2" BSP - 64 mm (BSI)		blue	0600-3003 N4
Adapter set, consisting of 0600-1006, -1010, -2001 and -1003			0600-3010 N4

## Mini solvent pump

The Mini solvent pump is a high-quality hand pump for small containers such as bottles, canisters and tanks up to about 10 litres. For reliable filling and dosing of solvents and readily flammable liquids.

- ▶ Connecting thread GL 45
- ▶ Parts in contact with medium made of PTFE and stainless steel (1.4301, 1.4404)
- ▶ PTFE hose (6x8 mm) 0.4 m
- ▶ Including grounding cable 2 m
- ▶ Adapter available as accessory for S 40, GL 38 and GL 32



## Drum holder

The storage area of the drum holder can be adjusted for height and provides a place for setting down the filling container directly under the discharge of drum pumps.

- ▶ Stainless steel AISI 304
- ▶ For drums with 60 litres to 220 litres (rim height at least 10 mm)
- ▶ Storage area with adjustable height
- ▶ Size storage area: 240 x 240 mm
- ▶ Height of the filling container: max. 470 mm (when used with discharge hose)
- ▶ Load capacity: 10 kg



Material	Pump capacity approx. l/min	Connector thread	Item no.
Stainless steel/PTFE	1,8	GL 45	5603-4000 N4

Item no.
5618-0200 N4

## Solvent pump hand operated

For contamination free filling off of organic solvents and flavouring agents. Fits all containers up to a capacity of 60 l. The pump is gastight and can be shut completely with two ball valves.

- ▶ Medium contacting parts: stainless steel/PTFE



Also for tin-foil canisters with pull-out spout!



Version	Pump capacity approx. l/min	Connector thread	Immersion depth cm	Item no.
hand operated pump	10	2" fine	60	5603-1000 N4
for tin-foil canisters	10	Pull-out spout	60	5603-2000 N4
Anti-static set, prevents electrostatic build-up				5602-1000 N4

## Solvent pump foot operated

For filling off high-purity liquids. All parts coming into contact with the media are made of stainless steel and PTFE. The barrel screw joint and stopcock provide a hermetic seal between the container and the pump.

- ▶ Immersion tube can be steplessly adjusted to the barrel depth
- ▶ For barrels up to 220 litres
- ▶ Suitable for steel barrels with R 2" thread
- ▶ Thread adapter for commercially available containers and air filters for ultra-pure drawing-off available as accessory

Version	Pump capacity approx. l/min	Connector thread	Immersion depth cm	Item no.
with rigid discharge tube	20	2" fine	95	5603-1100 N4
with discharge hose	20	2" fine	95	5603-3000 N4
Anti-static set, prevents electrostatic build-up				5602-1000 N4



## Withdrawal system for solvents



The withdrawal system can be used to dispense high-purity liquids quickly and without complications. An excess pressure is produced in the container with pressurised gas (compressed air or nitrogen), thereby pumping the liquid out of the tank. In this way, large amounts of hazardous media can also be safely dispensed and accurately metered. For use with media sensitive to oxygen or for

ultra-pure media, operation with an inert gas is possible. The barrel screw connection and shut-off valves seal off the barrel and pump hermetically.

- ▶ Parts in contact with medium made of stainless steel (1.4301) and PTFE
- ▶ Including transport stands, earthing cable for pressure regulating unit, connecting hose, key and adapter for compressed air supply

Model	Immersion depth cm	Purpose	Pump capacity approx. l/min	Item no.
with rigid discharge tube	60	for tanks up to approx. 60 l	10	5603-5001 N4
with rigid discharge tube	95	for barrels up to approx. 220 l	10	5603-5003 N4
with discharge hose	95	for barrels up to approx. 220 l	10	5603-5004 N4
Anti-static set, prevents electrostatic build-up				5602-1000 N4