

NEW



Powerful battery series

Wireless power for professional use in industry

Lutz Battery Series B1 | B2 | B3

safety is our concern

Versatility in series

With the development of the battery pumps B1 Battery and B2 Battery, Lutz reached a new level of mobility, battery performance, weight, service life, pump capacity and ergonomics. Many possible combinations allow a wide range of liquids to be pumped from different containers. With the latest development of the Battery series, Lutz presents a high-performance motor. The B3 Battery achieves delivery rates comparable to its grid-connected counterpart - while remaining mobile and flexible.

Features/Benefits:

- BLDC motor with high efficiency of up to 70%
- infinitely variable
- low weight
- long service life
- low noise level ≤ 70 dB(A)

B1 Battery:



1 battery charge = 2 x 200 litre container in **25 Min.** *

B2 Battery:



1 battery charge = 12 x 200 litre container in **34 Min.** **

B3 Battery:



1 battery charge = 14 x 200 litre container in **15.7 Min.** **

OR at reduced speed:



1 battery charge = approx. 5.8 x 1000 litre container in **51.2 Min.** ***

* determined with pump tube PP 25-L SL at full speed

** determined with pump tube PP 41-R SL at full speed

*** determined with pump tube PP 41-R SL at reduced speed



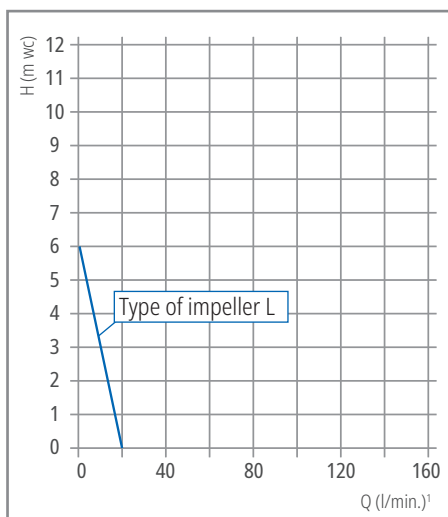
Order the battery and the battery charger with every pump!



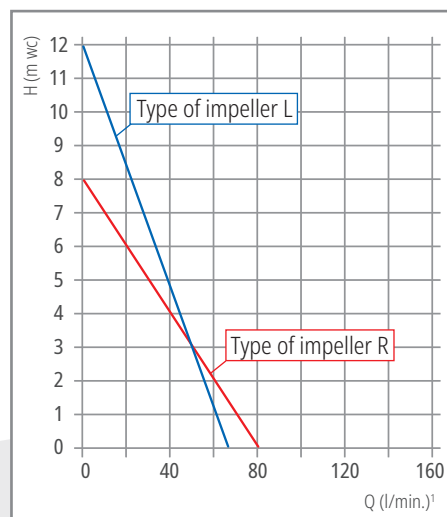
Motors	B1 Battery	B2 Battery	B3 Battery
Type:	Battery motor	Battery motor	Battery motor
Drive types:	Battery (BLDC)		
Suitable for:	small quantities	medium quantities	large quantities
Rated voltage:	10.8 V	21.6 V	21.6 V
Speed:	5000-12000 1/min.	5000-12000 1/min.	6000-10000 1/min.
Power:	70 W	260 W	320 W
Type of protection:	IP 24	IP 24	IP 24
Sound pressure level:*	<70 dB(A)	<70 dB(A)	<70 dB(A)
Viscosity:	up to max. 200 mPas	up to max. 400 mPas	up to max. 5000 mPas**
Weight without battery:	0.4 kg	0.428 kg	1.277 kg
Pump tubes:	PP	PP, PVDF, Aluminium, SS	PP, PVDF, Alu, SS, HD-E-SR, B70 SR 25.1
Features, functions, benefits:	<ul style="list-style-type: none"> ▪ replaceable battery ▪ low noise level ▪ infinitely variable ▪ universally applicable ▪ compact design ▪ light and convenient ▪ long service life ▪ good price/performance ratio ▪ wear-free, particularly low-noise BLDC motor with quick fastener 		<ul style="list-style-type: none"> ▪ replaceable battery ▪ low noise level ▪ infinitely variable ▪ universally applicable ▪ compact design ▪ long service life ▪ wear-free, particularly low-noise BLDC motor
Art. No.	0001-115	0002-515	0030-500

* See operating instructions for more information ** In combination with a B70V-SR eccentric screw pump, up to 700 mPas with a drum pump

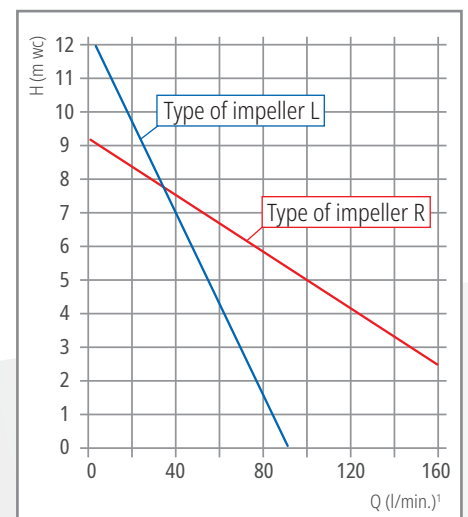
Lutz B1 Battery



Lutz B2 Battery

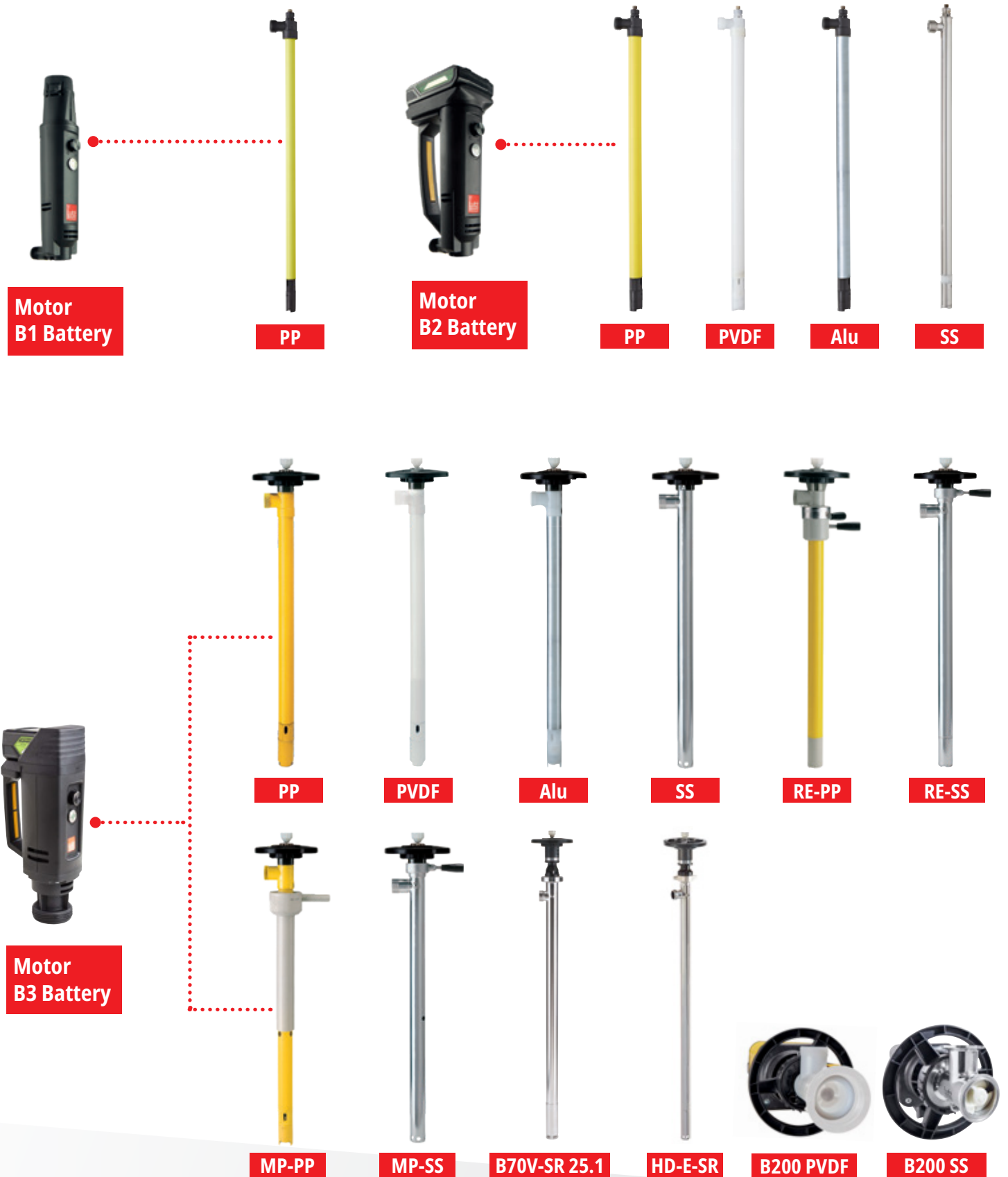


Lutz B3 Battery



¹The maximum flow rate is a value determined by means of a test bench and measured with water at a liquid temperature of approx. 20 °C. The measurement is taken at the pressure joint of the pump, without hose, nozzle or flow meter. The achievable flow rate in use is lower and depends on the individual application, the liquid properties and the configuration of the pump. The max. delivery head also depends on the pump design, motor and fluid. Viscosity determined with oil.

Lutz battery power - versatile combination





Chargers and batteries



Chargers

Suitable for:	B1 Battery	B2 Battery/B3 Battery
Voltage:	10.8 V	24 V
Output current:	2 A	2 A
Article-No.	0335-338	0335-337



Batteries

Suitable for:	B1 Battery	B2 Battery/B3 Battery	B2 Battery/B3 Battery
Voltage:	10,8 V	24 V	24 V
Battery power:	2 Ah	2 Ah	4 Ah
Watt hours:	21.6 W/h	43.2 W/h	86.4 W/h
Charging time 100%:	< 1 h	1 h	2 h
Battery technology	Li-Ion		
Weight:	0.17 kg	0.532 kg	0.921 kg
Article-No.	0332-027	0332-032	0332-031



Drum Pump Sets

Lutz offers you individual pump sets with pre-assembly for quick use. Optionally, the pumps can be combined with a flow meter. Take advantage of our know-how - we configure, you decide!

- ideally matched to the liquid being pumped
- ready for operation in just a few steps
- quick to use, thus saving time

Motors

three battery motors are available

Nozzles

for safe filling of liquids

Drum adapter

for securely fasten the pump in the drum opening

Hoses

resistant to liquid and with practical 2 m hose

Pump tubes

resistant to liquids, in different lengths, for emptying canisters, drums or containers





Pump Set B1 Battery (polypropylene)

For thin-bodied fluids

such as battery acid, ammonia water, photographic developer/-fixer, glycols, phosphoric acid, hydrochloric acid and hydrogen peroxide. For removing small quantities from hobbocks, canisters and drums.

Motor B1 Battery

70 watts, internally ventilated, IP24

Technical data

Density	1.3 kg/dm ³
Viscosity	200 mPas
Flow rate ¹	20 l/min.
Delivery head	6 m wc

Maximum liquid temperature 40 °C



Details	Pump B1 Battery			Pump set B1 Battery			Pump set B1 Battery with flow meter TR3-PP
Motor B1 Battery	✓			✓			✓
Flow meter TR3-PP	-			-			✓
Pump tube PP 25-L-SL	✓			✓			✓
1.5 m PVC hose 3/4"	-			✓			✓
Hose connection 3/4"	✓			✓			✓
Hose clamps	-			✓			✓
Lutz nozzle with suspension hook	-			✓			✓
Immersion depths	500 mm	700 mm	1000 mm	500 mm	700 mm	1000 mm	1000 mm
Order No.	0207-112	0207-113	0207-114	0207-090	0207-091	0207-092	0207-093
Battery 10,8 V, 2 Ah	0332-027						
Battery charger	0335-338						

¹ The maximum flow rate is a value determined by means of a test bench and measured with water at a medium temperature of approx. 20°C. The measurement is carried out at the pressure joint of the pump, without hose, nozzle or flow meter. The flow rate achievable in use is lower and depends on the individual application, the media properties and the configuration of the pump. The max. delivery head is also dependent on the pump design, motor and medium. Viscosity determined with oil. Will be delivered without battery and battery charger.

Pump Set B2 Battery (polypropylene)

For thin-bodied fluids

such as battery acid, ammonia water, photographic developer/-fixer, glycols, phosphoric acid, hydrochloric acid and hydrogen peroxide.
For removing small quantities from hobbocks, canisters and drums.

Motor B2 Battery

260 watts, internally ventilated, IP24

Technical data

Type of impeller	Impeller	Rotor
Density	1.6 kg/dm ³	1.6 kg/dm ³
Viscosity	400 mPas	400 mPas
Flow rate ¹	65 (22) l/min.	80 (22) l/min.
Delivery head	12 m wc	8 m wc

Maximum liquid temperature 50 °C
The use of the nozzle reduces the flow rate to approx. values (data in brackets).



Details	Pump B2 Battery				Pump set B2 Battery				Pump set B2 Battery with flow meter TR3-PP
Motor B2 Battery	✓				✓				✓
Flow meter TR3-PP	-				-				✓
Pump tube PP 32-R-SL / PP 32-L-SL	✓				✓				✓
1.5 m PVC hose 3/4"	-				✓				✓
Hose connection 3/4"	✓				✓				✓
Hose clamps	-				✓				✓
Lutz nozzle with suspension hook	-				✓				✓
Immersion depths	500 mm	700 mm	1000 mm	1200 mm	500 mm	700 mm	1000 mm	1200 mm	1000 mm
Order No. with Pump tube PP 32-R SL	0207-100	0207-101	0207-102	0207-120	0207-060	0207-061	0207-062	0207-064	0207-093
Order No. with Pump tube PP 32-L SL	0207-103	0207-104	0207-105	0207-121	0207-065	0207-066	0207-067	0207-069	0207-068
Battery max. 24 V, 2 Ah									0332-032
Battery max. 24 V, 4 Ah									0332-031
Battery charger									0335-337

¹ The maximum flow rate is a value determined by means of a test bench and measured with water at a medium temperature of approx. 20°C. The measurement is carried out at the pressure joint of the pump, without hose, nozzle or flow meter. The flow rate achievable in use is lower and depends on the individual application, the media properties and the configuration of the pump. The max. delivery head is also dependent on the pump design, motor and medium. Viscosity determined with oil. Will be delivered without battery and battery charger.

Pump Set B2 Battery (polyvinylidene flouride)

For concentrated acids and alkalis

such as chloric acid, chromic acid, sulphuric acid, nitric acid, hydrofluoric acid and sodium hypochlorite.

For removing small quantities from hobbocks, canisters and drums.

▪ **Motor B2 Battery**

260 watts, internally ventilated, IP24

Technical data

Density	1.6 kg/dm ³
Viscosity	400 mPas
Flow rate ¹	80 (45) l/min.
Delivery head	8 m wc

Maximum liquid temperature 90 °C
The use of the nozzle reduces the flow rate to approx. values (data in brackets).



Details	Pump B2 Battery				Pump set B2 Battery				Pump set B2 Battery with flow meter TR3-PVDF
Motor B2 Battery	✓				✓				✓
Flow meter TR3-PVDF	-				-				✓
Pump tube PVDF 32-R-SL	✓				✓				✓
1.5 m special chemical hose 3/4"	-				✓				✓
Hose connection 3/4"	✓				✓				✓
Hose clamps	-				✓				✓
Nozzle PVDF	-				✓				✓
Immersion depths	500 mm	700 mm	1000 mm	1200 mm	500 mm	700 mm	1000 mm	1200 mm	1000 mm
Order No.	0207-109	0207-110	0207-111	0207-122	0207-080	0207-081	0207-082	0207-084	0207-083
Battery max. 24 V, 2 Ah									0332-032
Battery max. 24 V, 4 Ah									0332-031
Battery charger									0335-337

¹ The maximum flow rate is a value determined by means of a test bench and measured with water at a medium temperature of approx. 20°C. The measurement is carried out at the pressure joint of the pump, without hose, nozzle or flow meter. The flow rate achievable in use is lower and depends on the individual application, the media properties and the configuration of the pump. The max. delivery head is also dependent on the pump design, motor and medium. Viscosity determined with oil. Will be delivered without battery and battery charger.

Pump Set B2 Battery (stainless steel)

For thin-bodied fluids

such as oil-based lubricants, cold cleaners and plasticisers.
For removing small quantities from hobbocks, canisters and drums.

Motor B2 Battery

260 watts, internally ventilated, IP24

Technical data

Density	1.6 kg/dm ³
Viscosity	400 mPas
Flow rate ¹	80 (45) l/min.
Delivery head	8 m wc

Maximum liquid temperature 90 °C
The use of the nozzle reduces the flow rate to approx. values (data in brackets).



Version with universal chemical hose and stainless steel nozzle

Version with mit PVC hose and Lutz nozzle

Details	Pump B2 Battery				Pump set B2 Battery with PVC hose				Pump set B2 Battery with universal chemical hose		
Motor B2 Battery	✓				✓				✓		
Pump tube SS 28-R-SL	✓				✓				✓		
1.5 m PVC hose 3/4"	-				✓				-		
1.5 m universal chemical hose 3/4"	-				-				✓		
Hose connection 3/4"	✓				✓				✓		
Hose clamps	-				✓				✓		
Lutz nozzle with suspension hook	-				✓				-		
Nozzle stainless steel	-				-				✓		
Immersion depths	500 mm	700 mm	1000 mm	1200 mm	500 mm	700 mm	1000 mm	1200 mm	500 mm	700 mm	1000 mm
Order No.	0207-106	0207-107	0207-108	0207-123	0207-070	0207-071	0207-072	0207-074	0207-050	0207-051	0207-052
Battery max. 24 V, 2 Ah	0332-032										
Battery max. 24 V, 4 Ah	0332-031										
Battery charger	0335-337										

¹ The maximum flow rate is a value determined by means of a test bench and measured with water at a medium temperature of approx. 20°C. The measurement is carried out at the pressure joint of the pump, without hose, nozzle or flow meter. The flow rate achievable in use is lower and depends on the individual application, the media properties and the configuration of the pump. The max. delivery head is also dependent on the pump design, motor and medium. Viscosity determined with oil. Will be delivered without battery and battery charger.

Pump Set B3 Battery (polypropylene)

For thin-bodied acids

such as sodium hydroxide, potassium hydroxide, ammonia water, formic acid and acetic acid.

For removing large quantities from canisters, drums and containers.

- **Motor B3 Battery**

320 watts, internally ventilated, IP24

Technical data

Density	1.4 kg/dm ³
Viscosity	up to 700 mPas
Flow rate ¹	77 (45) l/min.
Delivery head	11.8 m wc

Maximum liquid temperature 50 °C
The use of the nozzle reduces the flow rate to approx. values (data in brackets).



Details	Pump B3 Battery		Pump set B3 Battery	
Motor B3 Battery	✓		✓	
Pump tube PP 41-L-SL HC	✓		✓	
2 m PVC spiral hose 3/4"	-		✓	
Drum adapter PP	-		✓	
Hose connection PP 3/4"	✓		✓	
Hose clamps	-		✓	
Nozzle PP	-		✓	
Immersion depths	1000 mm	1200 mm	1000 mm	1200 mm
Order No.	0207-202	0207-203	0207-200	0207-201
Battery max. 24 V, 2 Ah	0332-032			
Battery max. 24 V, 4 Ah	0332-031			
Battery charger	0335-337			

¹ The maximum flow rate is a value determined by means of a test bench and measured with water at a medium temperature of approx. 20°C. The measurement is carried out at the pressure joint of the pump, without hose, nozzle or flow meter. The flow rate achievable in use is lower and depends on the individual application, the media properties and the configuration of the pump. The max. delivery head is also dependent on the pump design, motor and medium. Viscosity determined with oil. Will be delivered without battery and battery charger.

Pump Set B3 Battery (polyvinylidene flouride)

For concentrated acids and alkalis

such as chloric acid, chromic acid, sulphuric acid, nitric acid, hydrofluoric acid and sodium hypochlorite.

For removing large quantities from canisters, drums and containers.

Motor B3 Battery

320 watts, internally ventilated, IP24

Technical data

Density	1.4 kg/dm ³
Viscosity	up to 700 mPas
Flow rate ¹	77 (45) l/min.
Delivery head	11.8 m wc

Max. temperature of medium 100 °C
When using a nozzle the delivery rate is reduced to approximate values (information in the brackets).



Details	Pump B3 Battery		Pump set B3 Battery	
Motor B3 Battery		✓		✓
Pump tube PVDF 41-L-SL		✓		✓
2 m special chemical hose 3/4"		-		✓
Drum adapter PP		-		✓
Hose connection PVDF 3/4"		✓		✓
Hose clamps		-		✓
Nozzle PVDF		-		✓
Immersion depths	1000 mm	1200 mm	1000 mm	1200 mm
Order No.	0207-206	0207-207	0207-204	0207-205
Battery max. 24 V, 2 Ah			0332-032	
Battery max. 24 V, 4 Ah			0332-031	
Battery charger			0335-337	

¹ The maximum flow rate is a value determined by means of a test bench and measured with water at a medium temperature of approx. 20°C. The measurement is carried out at the pressure joint of the pump, without hose, nozzle or flow meter. The flow rate achievable in use is lower and depends on the individual application, the media properties and the configuration of the pump. The max. delivery head is also dependent on the pump design, motor and medium. Viscosity determined with oil. Will be delivered without battery and battery charger.

Pump Set B3 Battery (aluminium)

For light viscous mineral oils

such as diesel, fuel oil, hydraulic oil, machine oil and engine oil.

For removing large quantities from canisters, drums and containers.

Motor B3 Battery

320 watts, internally ventilated, IP24

Technical data

Density	1.4 kg/dm ³
Viscosity	up to 700 mPas
Flow rate ¹	77 (45) l/min.
Delivery head	11.8 m wc

Max. liquid temperature 100 °C
The use of the nozzle reduces the flow rate to approx. values (data in bracket).



Details	Pump B3 Battery		Pump set B3 Battery	
Motor B3 Battery		✓		✓
Pump tube Alu 41-L-SL		✓		✓
2 m PVC spiral hose 1"		-		✓
Drum adapter PP		-		✓
Hose connection Alu 3/4"		✓		✓
Hose clamps		-		✓
Nozzle Alu		-		✓
Immersion depths	1000 mm	1200 mm	1000 mm	1200 mm
Order No.	0207-210	0207-211	0207-208	0207-209
Battery max. 24 V, 2 Ah	0332-032			
Battery max. 24 V, 4 Ah	0332-031			
Battery charger	0335-337			

¹ The maximum flow rate is a value determined by means of a test bench and measured with water at a medium temperature of approx. 20°C. The measurement is carried out at the pressure joint of the pump, without hose, nozzle or flow meter. The flow rate achievable in use is lower and depends on the individual application, the media properties and the configuration of the pump. The max. delivery head is also dependent on the pump design, motor and medium. Viscosity determined with oil. Will be delivered without battery and battery charger.

Pump Set B3 Battery (stainless steel in PURE version)

For food (PURE version)

such as corrosive and neutral, aqueous to slightly viscous liquids in the production and processing of foodstuffs.

For removing large quantities from canisters, drums and containers.

Motor B3 Battery

320 watts, internally ventilated, IP24

Technical data

Density	1.6 kg/dm ³
Viscosity	up to 700 mPas
Flow rate ¹	91 (50) l/min.
Delivery head	12.3 m wc

Max. liquid temperature 100 °C
The use of the nozzle reduces the flow rate to approx. values (data in bracket).



FDA



Details	Pump set B3 Battery	
Motor B3 Battery	✓	
Pump tube SS 41-L-SL PURE	✓	
Drum adapter PP	✓	
Tri-Clamp hose set	✓	
Nozzle stainless steel	✓	
Immersion depths	1000 mm	1200 mm
Order No.	0206-100	0206-101
Battery max. 24 V, 2 Ah	0332-032	
Battery max. 24 V, 4 Ah	0332-031	
Battery charger	0335-337	

¹The maximum flow rate is a value determined by means of a test bench and measured with water at a medium temperature of approx. 20°C. The measurement is carried out at the pressure joint of the pump, without hose, nozzle or flow meter. The flow rate achievable in use is lower and depends on the individual application, the media properties and the configuration of the pump. The max. delivery head is also dependent on the pump design, motor and medium. Viscosity determined with oil. Will be delivered without battery and battery charger.

Our range of accessories



Smooth and safe operation of the drum and container pumps requires a practical range of accessories. Whether for mobile use or permanently installed in a system - with the Lutz accessories, your pump becomes a perfect filling system.

The full range of Lutz accessories guarantees customized solutions for every area and every application.



Order the battery and the battery charger with each set



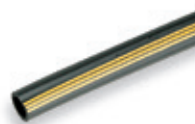
Nozzles
for safe filling and transferring of liquids



Batteries & Charger
for the necessary power in mobile use



Flow meter
for measuring liquids of all kinds



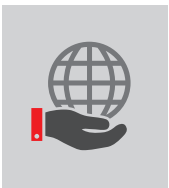
Hoses
available in many materials/ designs



Hose connections and adapters
suitable for all applications

You will find further accessories on our website:
www.lutz-pumpen.de/zubehoer

Service



Lutz Pumpen is your reliable partner with a worldwide network of competent representatives for all service questions concerning our products.

Customer-oriented action ranges from advice to sales and after-sales service. To be on the safe side, we offer not only high-quality products but also comprehensive services.



Online guide



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Do you have any questions about our products, do you need assistance with the selection for your project or are you looking for a contact person on site?

Our experts are available to advise you:

anfrage@lutz-pumpen.de | Telephone+49 9342 879-260



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Order No. 0699-432

State of the art 03.2024

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and never miss any news!



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