



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  $\leq 70$  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



Order the battery  
and the battery charger  
with every pump!



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

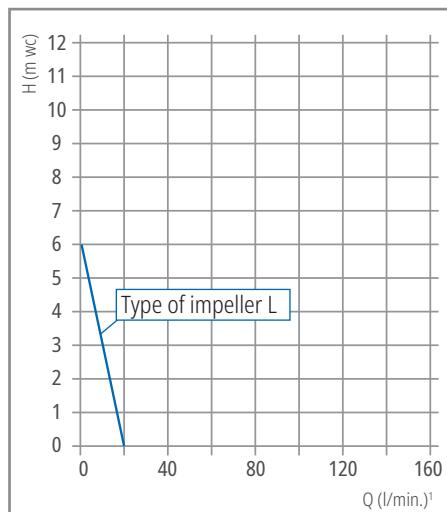


Motors	B1 Battery	B2 Battery	B3 Battery	
Type:	Battery motor	Battery motor	Battery motor	
Drive types:	Battery (BLDC)			
Suitable for:	small quantities	medium quantities	large quantities	
Rated voltage:	10.8 V	21.6 V	21.6 V	
Speed:	5000-12000 1/min.	5000-12000 1/min.	6000-10000 1/min.	
Power:	70 W	260 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"> <li>▪ replaceable battery</li> <li>▪ low noise level</li> <li>▪ infinitely variable</li> <li>▪ universally applicable</li> <li>▪ compact design</li> <li>▪ light and convenient</li> <li>▪ long service life</li> <li>▪ good price/performance ratio</li> <li>▪ wear-free, particularly low-noise BLDC motor with quick fastener</li> </ul>		<ul style="list-style-type: none"> <li>▪ replaceable battery</li> <li>▪ low noise level</li> <li>▪ infinitely variable</li> <li>▪ universally applicable</li> <li>▪ compact design</li> <li>▪ long service life</li> <li>▪ wear-free, particularly low-noise BLDC motor</li> </ul>	
Art. No.	0001-115	0002-515	0030-500	

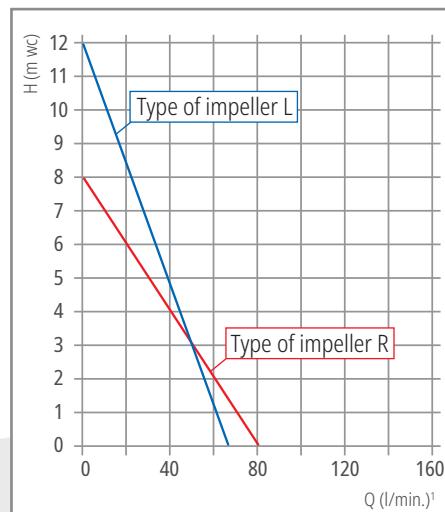
\* See operating instructions for more information

\*\* In combination with a B70V-SR eccentric screw pump, up to 700 mPas with a drum pump

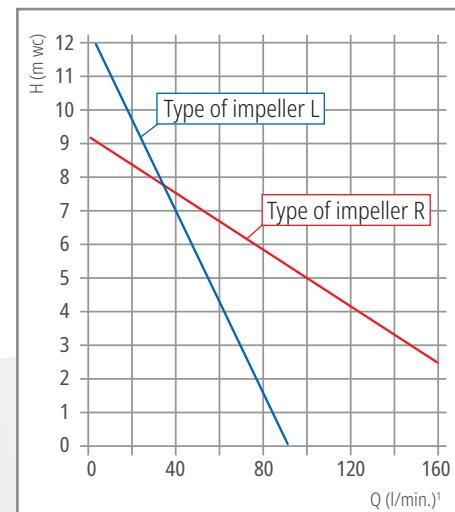
### Lutz B1 Battery



### Lutz B2 Battery



### Lutz B3 Battery



<sup>1</sup>The 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.	<b>0335-338</b>	<b>0335-337</b>



## 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.	<b>0332-027</b>	<b>0332-032</b>	<b>0332-031</b>



## 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





# 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 hoblocks, canisters and drums.

### ■ Motor B1 Battery

70 watts, internally ventilated, IP24

#### Technical data

Density	1.3 kg/dm <sup>3</sup>
Viscosity	200 (40) mPas
Flow rate <sup>1</sup>	20 l/min.
Delivery head	6 m wc

Maximum liquid temperature 40 °C  
The use of the flow meter reduces the viscosity to approx. values (data in bracket).



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	

<sup>1</sup>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 hoblocks, canisters and drums.

### ■ Motor B2 Battery

260 watts, internally ventilated, IP24

#### Technical data

Type of impeller	Impeller	Rotor
Density	1.6 kg/dm <sup>3</sup>	1.6 kg/dm <sup>3</sup>
Viscosity	400 (40) mPas	400 (40) mPas
Flow rate <sup>1</sup>	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 bracket). The use of the flow meter reduces the viscosity to approx. values (data in bracket).



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	
<b>Order No.</b> with Pump tube PP 32-R SL	<b>0207-100</b>	<b>0207-101</b>	<b>0207-102</b>	<b>0207-120</b>	<b>0207-060</b>	<b>0207-061</b>	<b>0207-062</b>	<b>0207-064</b>	<b>0207-093</b>	
<b>Order No.</b> with Pump tube PP 32-L SL	<b>0207-103</b>	<b>0207-104</b>	<b>0207-105</b>	<b>0207-121</b>	<b>0207-065</b>	<b>0207-066</b>	<b>0207-067</b>	<b>0207-069</b>	<b>0207-068</b>	
<b>Battery max. 24 V, 2 Ah</b>										<b>0332-032</b>
<b>Battery max. 24 V, 4 Ah</b>										<b>0332-031</b>
<b>Battery charger</b>										<b>0335-337</b>

<sup>1</sup>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 fluoride)

## 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 hoblocks, canisters and drums.

### ■ Motor B2 Battery

260 watts, internally ventilated, IP24

Technical data	
Density	1.6 kg/dm <sup>3</sup>
Viscosity	400 (40) mPas
Flow rate <sup>1</sup>	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 bracket). The use of the flow meter reduces the viscosity to approx. values (data in bracket).



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					

<sup>1</sup>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 hoblocks, canisters and drums.

### ■ Motor B2 Battery

260 watts, internally ventilated, IP24



Version with universal chemical hose and stainless steel nozzle

Technical data	
Density	1.6 kg/dm <sup>3</sup>
Viscosity	400 mPas
Flow rate <sup>1</sup>	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 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	
<b>Battery max. 24 V, 2 Ah</b>	0332-032											
<b>Battery max. 24 V, 4 Ah</b>	0332-031											
<b>Battery charger</b>	0335-337											

<sup>1</sup> 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 <sup>3</sup>
Viscosity	up to 700 mPas
Flow rate <sup>1</sup>	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
<b>Battery max. 24 V, 2 Ah</b>			0332-032	
<b>Battery max. 24 V, 4 Ah</b>			0332-031	
<b>Battery charger</b>			0335-337	

<sup>1</sup>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 fluoride)

## 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

<b>Density</b>	1.4 kg/dm <sup>3</sup>
<b>Viscosity</b>	up to 700 mPas
<b>Flow rate<sup>1</sup></b>	77 (45) l/min.
<b>Delivery head</b>	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
<b>Battery max. 24 V, 2 Ah</b>	0332-032			
<b>Battery max. 24 V, 4 Ah</b>	0332-031			
<b>Battery charger</b>	0335-337			

<sup>1</sup>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 <sup>3</sup>
Viscosity	up to 700 mPas
Flow rate <sup>1</sup>	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
<b>Battery max. 24 V, 2 Ah</b>			0332-032	
<b>Battery max. 24 V, 4 Ah</b>			0332-031	
<b>Battery charger</b>			0335-337	

<sup>1</sup>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

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

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



#### 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
<b>Order No.</b>	<b>0206-100</b>	<b>0206-101</b>
<b>Battery max. 24 V, 2 Ah</b>	0332-032	
<b>Battery max. 24 V, 4 Ah</b>	0332-031	
<b>Battery charger</b>	0335-337	

<sup>1</sup>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.

# 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.



**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](http://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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Repair videos

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](mailto:anfrage@lutz-pumpen.de) | Telephone +49 9342 879-260**



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