

# Lutz Drum and Container Pumps

## Container Pump B50



### Simplicity and maximum working safety

Bulk chemical transfer or filling is made light work of with the B50 with flows up to 200 l/min. and quick installation.

The B50 is constructed along the lines of a drum pump in order to maintain the proven features. These include: long life, reliability, low maintenance, reduced downtime, process and transfer time savings and not least enhanced safety and efficiency.

The vertically mounted pump runs at low speed with a direct coupled motor. The motor is secured with the Lutz hand wheel for quick assembly and disassembly, and with power to cover densities from 1.0 to 1.9 kg/dm<sup>3</sup> and viscosities up to 100 mPas without penalty. The pump is positively mounted into the container with a specially designed adaptor.

The pump is designed and constructed with proven centrifugal hydraulics guaranteeing stable performance characteristics.

The single robust housing design with an immersion depth of 1100 mm successfully achieves weight reduction and the minimisation of parts.

### Product detail



Container pump		B50 PP/HC	B50 PP/SS
Category 1 / 2 (acc. to ATEX 100a)		no	no
Immersion tube diameter:	max. mm	100	100
Temperature of medium:	max. °C	50	50
Material:	Pump tube	PP	PP
	Impeller/diffuser material	PPO / PPE	PPO / PPE
	Drive shaft	Hastelloy C (2.4610)	Stainless steel (1.4571)
Outrun piece:		G 1 1/2	G 1 1/2
		Outer thread	Outer thread
Length: 1100 mm	Order No.	<b>0180-001</b>	<b>0180-501</b>

### Choice of motors

### Operating data



Single phase motor			
Output:	0.55 kW    0.75 kW	Flow rate* up to l/min.	200
Density:	up to 1.3 kg/dm <sup>3</sup> up to 1.8 kg/dm <sup>3</sup>	Delivery head* up to m wc	22
Speed:	2800 1/min.    2700 1/min.	Viscosity up to mPas	100
Prot. class:	IP 54    IP 54	Weight (kg) motor + pump tube	10.5 – 13.5
Order No.	<b>0180-030</b> <b>0180-031</b>		10.5 – 13.5

\*Determined with water at 20 °C

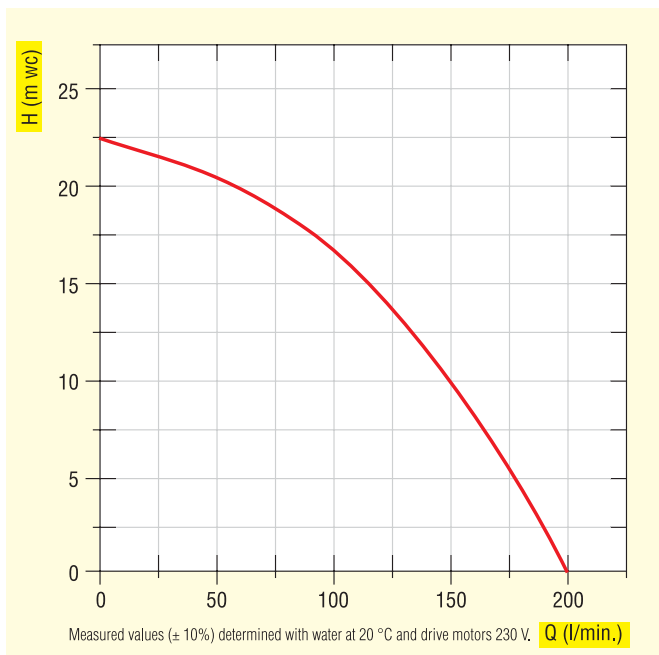
# Container Pump B50

for bulk transfer of chemicals

## Materials (coming into contact with the pumped medium)

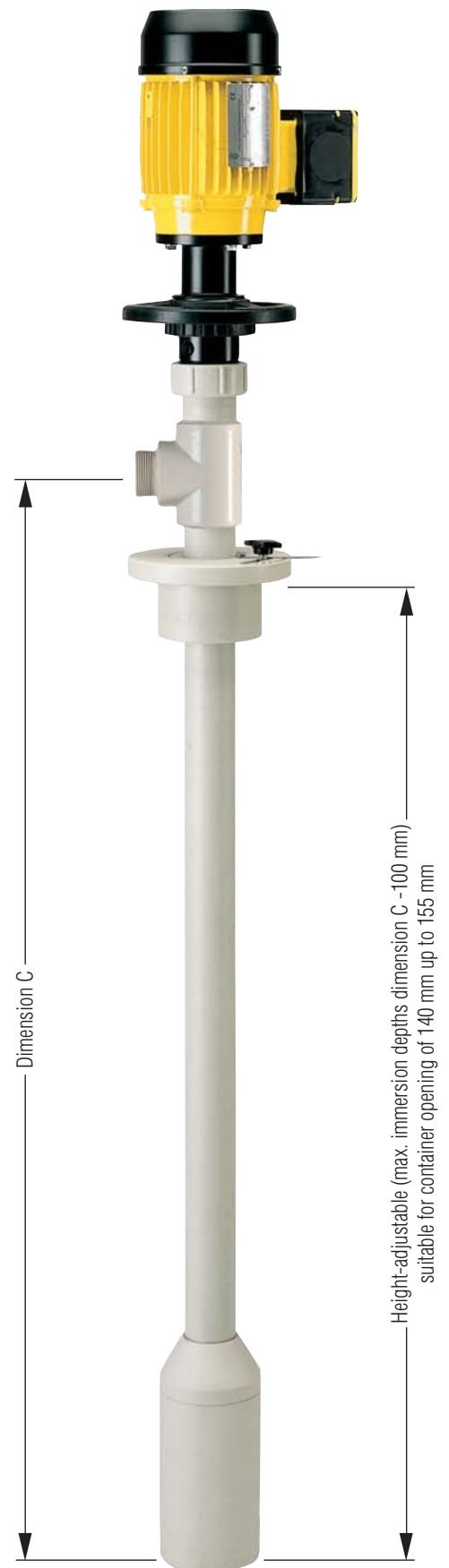
Container pump	B50 PP/HC	B50 PP/SS
Pump tube:	Polypropylene (PP)	Polypropylene (PP)
Stator:	PPO / PPE	PPO / PPE
Mechanical seal:	Carbon / SiC / HC	Carbon / SiC / HC
Secondary seal:	Viton® (EPDM)	Viton® (EPDM)
Drive shaft:	HC-4 (2.4610)	Stainless steel (1.4571)

Viton® is a registered trademark of DuPont Dow Elastomers.



## Suitable accessories: Flow meter for easy volume preselection

With the modular flow meter system Lutz offer an economic solution for safe and rational volume measurement of your liquids. Flow meters, type ST and SL, convince by their easy operation, compact construction and easy connection to the container pump. By using a relay module easy volume presetting is possible. For more information, please refer to chapter **03** on flowmeters.



**02**

Detail dimensions see Chapter **06** page 262



Suitable range of accessories  
see page 116