

# Lutz Vertical Centrifugal Pumps

## Submersible Centrifugal Pump B50



### Safety is our maxim

For example, reliability, safety and not the least important functionality are called for during the recirculation of chemicals and pickling baths. This submersible centrifugal pump was developed especially as a vertical, wet pump for the fast emptying of vessels and basins. Lutz placed considerable value thereby on low wear, large pumping capacity and short emptying times. Its low weight makes this pump especially user-friendly.

- ✓ High efficiency
- ✓ High pumping capacity
- ✓ Smooth running
- ✓ Low space requirement
- ✓ Fast assembly
- ✓ Simple starting
- ✓ Easy maintenance

Productdetail		Tauchkreislumppe		B50 PP/HC	B50 PP/SS
	Category 1 / 2 (acc. to ATEX)			no	no
	Immersion tube diameter:	max. mm		100	100
	Temperature of medium:	max. °C		50	50
	Material:	Pump tube Impeller/diffuser material Drive shaft		PP PPO / PPE Hastelloy C (2.4610)	PP PPO / PPE Stainless steel (1.4571)
	Outrun piece:			G 1 1/2 Outer thread	G 1 1/2 Outer thread
	Length: 1100 mm Special length on request	Order No.		0180-000	0180-500
Choice of motors		Operating data			
	Single phase motor				
	Output:	0.55 kW    0.75 kW	Delivery rate*    up to l/min.	200	200
	Dichte:	up to 1.3 kg/dm³    up to 1.8 kg/dm³	Delivery head*    up to m wc	22	22
	Speed:	2800 1/min.    2700 1/min.	Viscosity    up to mPas	100	100
	Prot. class:	IP 54    IP 54	Weight (kg)    Motor + pump tube	10.5 – 13.5	10.5 – 13.5
	Order No.	0180-030    0180-031			

Single-phase motor with operating condenser (230 V, 50 Hz) with 5m connection cable and shock-proof plug.

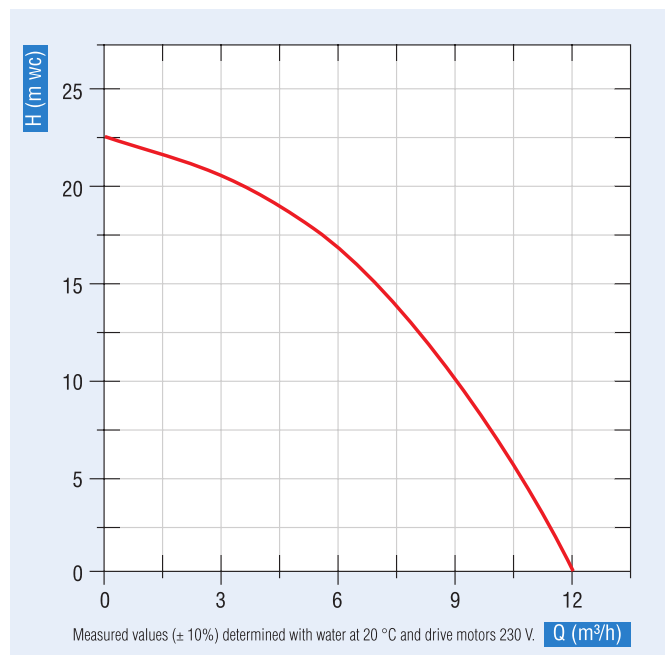
# Submersible Centrifugal Pump B50

High pumping capacity and low space requirements

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

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)

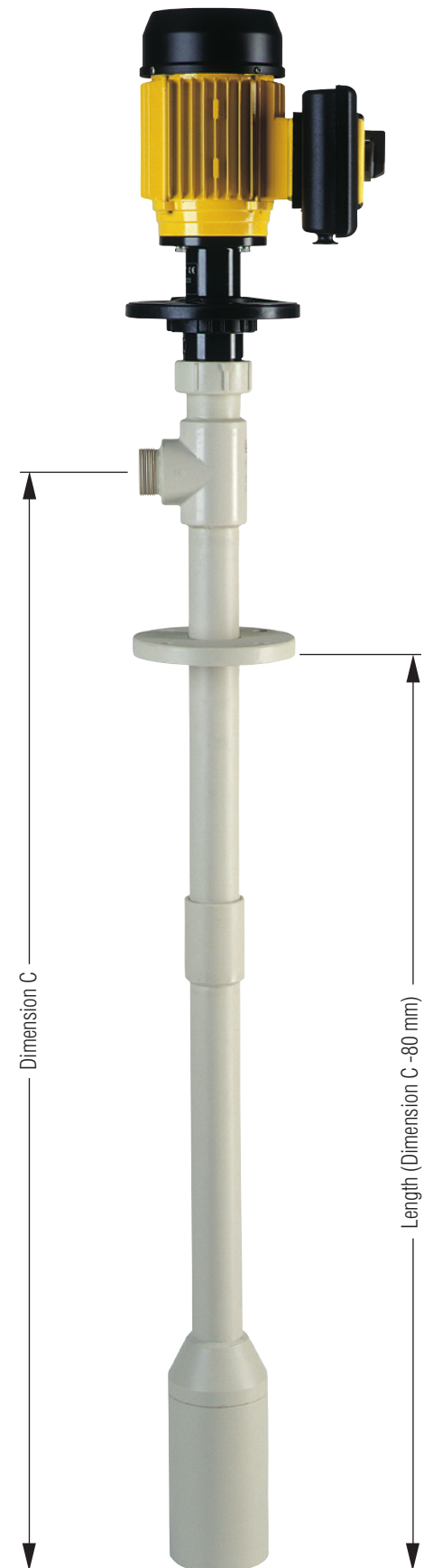
Viton® is a registered trademark of DuPont Performance Elastomers.



## Practical pumping capacity

The submersible pump built on the basis of the latest hydraulic knowledge and the proven single-tube principle can be used everywhere where vessels and basins must be emptied or filled quickly and safely.

The pump is equipped with self-lubricating, wetted friction bearings.



Detail dimensions see chapter 06 page 297



Suitable range of accessories see page 222.