

# 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.      |
| 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        |
| Speed:             | 2800 1/min.    2700 1/min.                                | Viscosity      | up to mPas        |
| Prot. class:       | IP 54    IP 54  | Weight (kg)    | motor + pump tube |
| Order No.          | <b>0180-030</b> <b>0180-031</b>                           |                |                   |

\*Determined with water at 20 °C