

# Pump BM-B

## Product description

### Application

The BM-B pump, because of its constructional characteristics, may be used in single line-, dual line-, progressive and spray lubricating systems.

Regardless of the number of lubrication points, the pump can be effectively adapted to meet any requirements. It can also be used for refilling and mobile greasing systems.

### Product characteristics

- + Discharge pressure adjustable up to max. 400 bar
- + High reliability due to forced control
- + Discharge: 2 and 4 liters/h, depends on driving speed
- + Geared motors
- + Long service life thanks to the use of wear-resistant high-grade steel
- + Compact and rugged design
- + Lubricant: oil, grease, liquid grease
- + Surface signal grey RAL 7004

### Function

The pump can be supplied complete with a geared motor. It consists essentially of a housing with pump unit and an integral lubricant reservoir.

The delivery and control plungers of the pump element are driven by eccentric cams to which they are rigidly connected. As a result thereof, they are positively controlled.

A blockage (as may happen with spring-controlled plungers or a hydraulic pressure transfer) is not possible. The required delivery pressure can be adjusted by means of an integrated pressure relief valve. It prevents damages to the pump in the event of an inadmissibly high counter-pressure situations. The pump need not be vented.



### Technical Data

<b>Discharge pressure</b>	adjustable up to max.	400 bar
<b>Discharge volume at</b>	63 min <sup>-1</sup>	34 cm <sup>3</sup> /min ( 2.0 l/h )
	125 min <sup>-1</sup>	67 cm <sup>3</sup> /min ( 4.0 l/h )
<b>Max.rpm geared</b>	motor version	125 min <sup>-1</sup>
<b>Direction of rotation of the pump</b>		anticlockwise
<b>Reservoir capacity</b>	liter	8, 15 or 30
<b>Operating temperature</b>	according to type	- 20 °C up to + 80 °C
<b>Compatible lubricants</b>	Grease	up to NLGI-class 3, DIN 51818
	Mineral oils	ISO VG 68 to 1500, DIN 51519
<b>Built-in grease filter</b>	filter surface 19 cm <sup>2</sup>	wire cloth 0.4 x 0.18 DIN 4189
<b>Built-in pressure relief valve</b>	adjustable from 0 to 450 bar	set to 400 bar

When using the hydraulic 4/2-way valve SA-K, the set pressure may not exceed 350 bar.

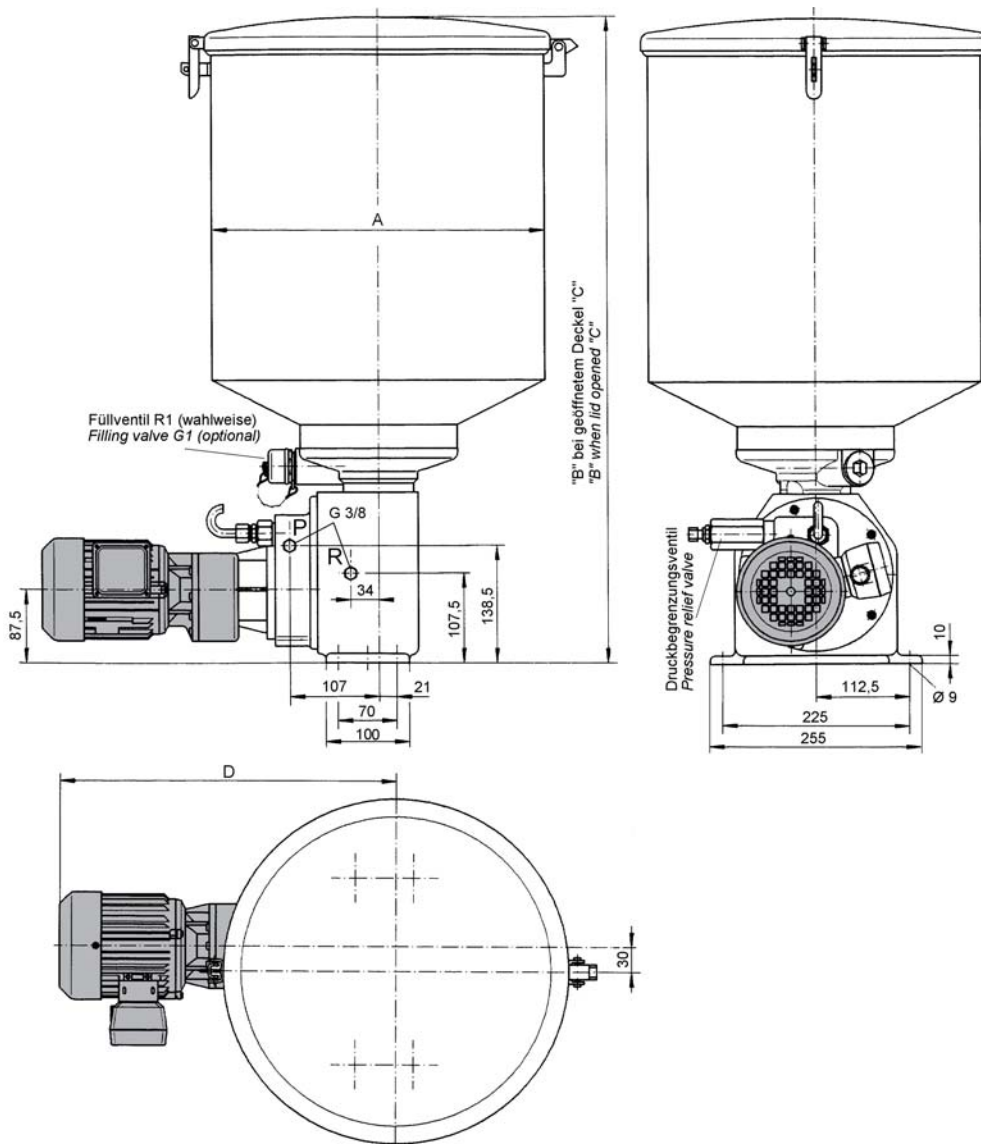
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## Dimensions (mm)



Design		Dimensions in mm			
		A	B	C	D
Reservoir	8 l	Ø 190	595	785	
	15 l	Ø 240	630	870	
	30 l	Ø 310	700	1010	
Motor power	0.18 kW for 63 min <sup>-1</sup>				406
	0.37 kW for 63 min <sup>-1</sup>				432
	0.37 kW for 125 min <sup>-1</sup>				424

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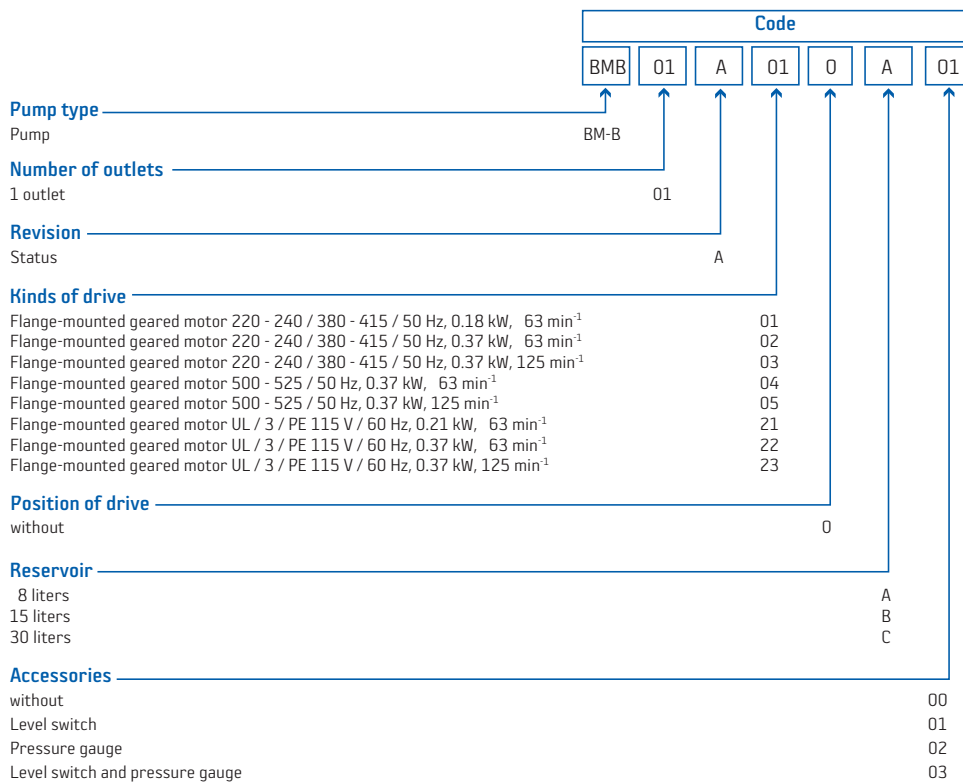
## Accessories

Level switch



A level switch is available for the indication of the filling level in the reservoir. As sensor serves an ultrasonic sensor. As soon as the min. or max. level allowed has been obtained, a signal is released. With the help of a signal lamp at the reservoir, this signal can be used for the visual warning or for the control of an automatic filling facility. In case of receiving the order, we will attach particular operating instructions to the level switch with the following code:: BA\_2015\_1\_GB\_76951-6011.

## How to order



## Example of order:

**BMB 01 A 01 0 A 01**

Pump BM-B, 1 outlet, flange-mounted geared motor 220-240/380-415/50 Hz, 0,18 kW, 63 min<sup>-1</sup>, 8 litre reservoir, level switch.

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