

# Product description Pump BS-B

## **APPLICATION**

The pump BS-B is ideally suitable for applications where long extended main line runs and a large number of friction points are to be reliably served from one central station.

In conjunction with distributors type ZV-B downstream the pump is predominantly used in dual-line centralized systems, but also as filling-or greasing pump.

### **PRODUCT CHARACTERISTICS**

- Discharge pressure adjustable up to max. 400 bar
- High reliability due to forced control
- Discharge: 7, 14 and 22 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: grease, liquid grease
- Surface signal grey RAL 7004



#### **FUNCTION**

The pump can be supplied complete with a geared motor.

Basically it consists of a body with plunger assembly and reservoir. The rotation is converted inside the pump head into an oscillating movement. The BS-B double-acting pump has two pairs of plunger (feed pistons and pilot pistons) which move simultaneously into a common bore.

Whilst one pair of pistons is on the suction stroke in one bore, the other pair forces the lubricant in a second bore into the pressure channel. The pilot pistons are positively-controlled i.e. they are displaced mechanically into is end position following each cycle, thus preventing blocking, as is likely to occur with hydraulically-or spring-controlled plungers.

The required feed pressure is adjustable thanks to an integral pressure relief valve. In the event of an inadmissibly overpressure situation occuring an additional safeguard (burst plates) is incorporated to protect the pump element from damage. The pump need not be bled.



Code

Code

01

Α.	PUMP TYPE	Code
		BSB

### **B. NUMBER OF OUTLETS**

1 outlets

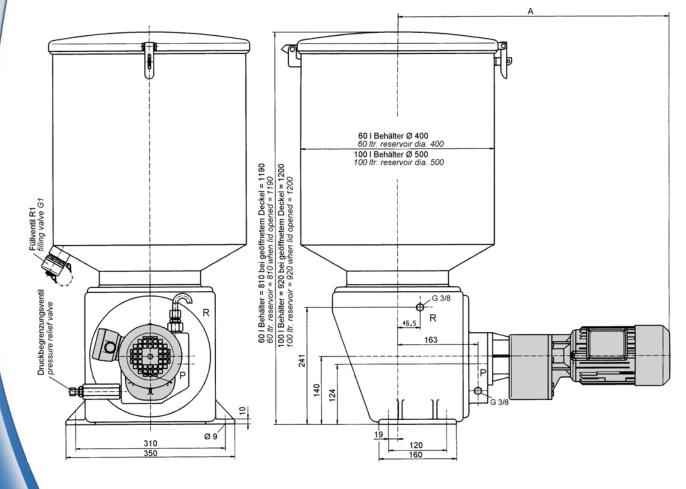
### C. REVISION

Stage A

# **D. KINDS OF DRIVE**

Flange-mounted geared motor 220 - 240 / 380 - 415 / 50 Hz, 0.75 kW, 80 min<sup>-1</sup>; Dir Flange-mounted geared motor 290 - 305 / 500 - 525 / 50 Hz, 0.75 kW, 80 min<sup>-1</sup>; Dir Flange-mounted geared motor 220 - 240 / 380 - 415 / 50 Hz, 1.5 kW, 160 min<sup>-1</sup>; Dir Flange-mounted geared motor 220 - 240 / 380 - 415 / 50 Hz, 1.5 kW, 250 min<sup>-1</sup>; Dir Flange-mounted geared motor 220 - 240 / 380 - 415 / 50 Hz, 0.37 kW, 80 min<sup>-1</sup>; Dir Flange-mounted geared motor UL / 3 / PE 115 V / 60 Hz, 0.75 kW, 80 min<sup>-1</sup> Flange-mounted geared motor UL / 3 / PE 115 V / 60 Hz, 1.5 kW, 160 min<sup>-1</sup> Flange-mounted geared motor UL / 3 / PE 115 V / 60 Hz, 1.5 kW, 250 min<sup>-1</sup>

	Code
Dimension A = 563 mm	01
Dimension A = 563 mm	02
Dimension A = 575 mm	03
Dimension $A = 575 \text{ mm}$	04
Dimension $A = 500 \text{ mm}$	05
	21
	22
	23





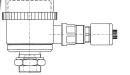
02

03

E. POSITION OF DRIVE	Code
without	0

F. RESERVOIR	Code
60 liters	А
60 liters 100 liters	В

G. ACCESSORIES	Code
without	00
Level switch	01
FEILLER	



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 2005 1 GB 76951 6011.

Pressure gauge Level switch and pressure gauge

### **EXAMPLE OF ORDER**

			Code										
		В	S	В	0	1	A	0	1	0	A	0	1
Pump type BS-B	Code: BSB —												
Number of outlet 1 outlet	Code: 01 —												
Revision Stage A	Code: A —												
<b>Kinds of drive</b> Flange-mounted geared motor 220-240/380-415/50Hz 0.75kW, 80 min <sup>-1</sup>	Code: 01 —												
Position of drive without	Code: O												
Reservoir capacity	Code: A												
Accessories	Code: 01												1

Level switch for reservoir 60 liter



### SPECIFICATIONS

Discharge pressure adjus	stable up to max. :	400 bar
Discharge volume at :	80 min-1 :	120 cm <sup>3</sup> /min ( 7 l/h )
	160 min <sup>-1</sup> :	235 cm <sup>3</sup> /min (14 l/h)
	250 min <sup>-1</sup> :	365 cm <sup>3</sup> /min ( 22 l/h )
Max. rpm geared motor v	ersion :	250 min <sup>-1</sup>
Direction of rotation of the	e pump :	clockwise or anticlockwise
Reservoir capacity :		60 or 100 l
Operating temperature ac	cording to type :	- 20° C up to + 80° C
Compatible lubricants :		up to NLGI-class 3 DIN 51818
Integral strainer :		strainer area 40 cm <sup>2</sup> , wire mesh size 0.4 x 0.18 DIN 4189
Integral pressure relief va	ve :	range from 0 up to 450 bar, adjusted to 400 bar

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Für reibungslose Bewegung For smooth motion