

Pump BS-B

Product description

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: oil, 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 its 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 occurring an additional safeguard (burst plates) is incorporated to protect the pump element from damage. The pump need not be bled.



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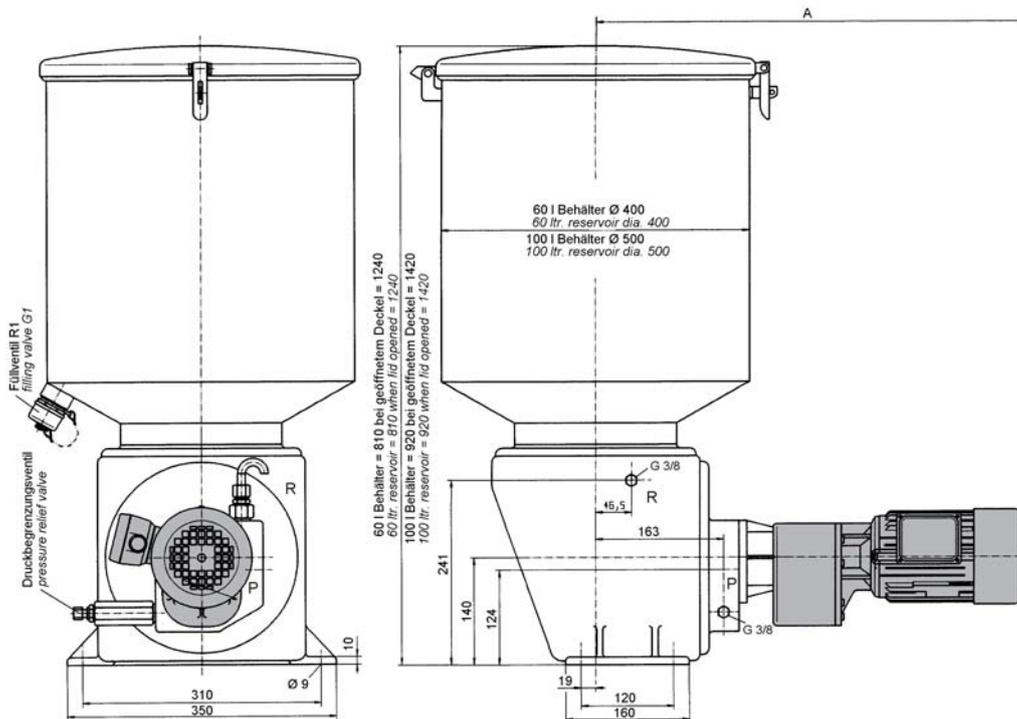
Arminstraße 15
40227 Düsseldorf

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Technical Data

Discharge pressure	adjustable up to max.	400 bar
Discharge volume at	80 min ⁻¹	120 cm ³ /min (7,0 l/h)
	160 min ⁻¹	235 cm ³ /min (14,0 l/h)
	250 min ⁻¹	365 cm ³ /min (22,0 l/h)
Max. rpm geared	motor version	250 min ⁻¹
Direction of rotation of the pump		clockwise or anticlockwise
Reservoir capacity	liter	60 or 100
Operating temperature	according to type	- 20 °C up to + 80 °C
Compatible lubricants	Grease	up to NLGI-class 3, DIN 51818
Integral strainer	strainer area 40 cm ²	wire mesh size 0.4 x 0.18 DIN 4189
Integral pressure relief valve	range from 0 up to 450 bar	adjusted to 400 bar

Dimensions (mm)



Note: dimension "A" see How to order, page 3 - Kinds of drive

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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

	Code						
	BSB	01	A	01	0	A	01
Pump type Pump	BS-B						
Number of outlets 1 outlet		01					
Revision Status			A				
Kinds of drive							
Flange-mounted geared motor 220 - 240 / 380 - 415 / 50 Hz, 0,75 kW, 80 min ⁻¹ , dimension A = 563 mm				01			
Flange-mounted geared motor 290 - 305 / 500 - 525 / 50 Hz, 0,75 kW, 80 min ⁻¹ , dimension A = 563 mm				02			
Flange-mounted geared motor 220 - 240 / 380 - 415 / 50 Hz, 1,5 kW, 160 min ⁻¹ , dimension A = 575 mm				03			
Flange-mounted geared motor 220 - 240 / 380 - 415 / 50 Hz, 1,5 kW, 250 min ⁻¹ , dimension A = 575 mm				04			
Flange-mounted geared motor 220 - 240 / 380 - 415 / 50 Hz, 0,37 kW, 80 min ⁻¹ , dimension A = 500 mm				05			
Flange-mounted geared motor UL / 3 / PE 115 V / 60 Hz, 0,75 kW, 80 min ⁻¹				21			
Flange-mounted geared motor UL / 3 / PE 115 V / 60 Hz, 1,5 kW, 160 min ⁻¹				22			
Flange-mounted geared motor UL / 3 / PE 115 V / 60 Hz, 1,5 kW, 250 min ⁻¹				23			
Position of drive without					0		
Reservoir							
60 liters						A	
100 liters						B	
Accessories							
without							00
Level switch for 60 l reservoir							01
Pressure gauge							02
Level switch and pressure gauge							03

Example of order:

BSB 01 A 01 0 A 01

Pump BS-B, 1 outlet, flange-mounted geared motor 220-240/380-415/50 Hz, 0,75 kW, 80 min⁻¹, 60 litre reservoir, level switch.

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