

# Pump ZP6000

## Product description

### Application

The pumps ZP6000 are used for direct lubrication in multi-line systems (one delivery element per lubricating point) or as delivery pump for lubricant in progressive systems.

### Product characteristics

- + Multi-line pump
- + up to 32 lubrication points
- + Maintenance-free
- + Pressure range up to 160 bar
- + Lubricant: Oil, Grease, Liquid grease
- + Surface signal grey RAL 7004

### Function

Drive of pump ZP6000 is effected by means of electromotor with step-down gearing flanged onto the housing and linked with the worm shaft via Woodruff key in form-fit connection. Each feed-line connection is equipped with a delivery piston and a control piston. A rotary motion is imparted on the pump shaft with cam disk via drive, vertical shaft and bevelgear pair the delivery piston getting a stroke motion. The control gear is to actuate the control piston. Due to the stroke motion of delivery pistons, lubricant intake is effected through the control ducts of control pistons and delivered into the pressure bore. The scraper plate is delivering the lubricant to the suction bores. The stirrer blade pressing the lubricant through the sieve plate into the suction compartment is arranged in the lubricant reservoir. The pump ZP6000 can be supplied with 1 or 2 pumping units installed opposite to each other with a maximum of 16 feed-line connections. The rate of delivery can be set infinitely from 0 ... 0.2 cm<sup>3</sup>/stroke. Upon dispatch of pumps, the rate of delivery has been set to maximum value. When an outlet is not required these plugs can be removed, and the outlet closed using plug and sealing ring. The lubricant is now diverted, or re-circulated, back to the pump housing via the open, internal return port.



### Technical Data

<b>Rated pressure</b>	160 bar
<b>Operating pressure</b>	in dependence on operating mode and operating conditions (to be agreed upon with the manufacturer)
<b>Rate of delivery per outlet</b>	0 ... 0.2 cm <sup>3</sup> /Hub
<b>Pipe connection for feed line</b>	M 14 x 1.5
<b>Step-down ratio</b>	150 : 1; 300 : 1; 450 : 1; 225 : 1
<b>Delivery rate</b>	1.69 cm <sup>3</sup> /min; 0.84 cm <sup>3</sup> /min; 0.6 cm <sup>3</sup> /min; 1.12 cm <sup>3</sup> /min
<b>Rated speed of pump shaft (rpm)</b>	max. 12 min <sup>-1</sup>
<b>Electro motor</b>	K21R 71 G4 IM B14K
<b>Rated speed</b>	1360 min <sup>-1</sup>
<b>Motor power</b>	0.37 kW
<b>NLGI class</b>	000 ... 3
<b>Temperatur range</b>	- 30°C up to + 60°C
<b>Number of outlets</b>	max. 32
<b>Reservoir capacity</b>	10; 20; 30; 60 litres
<b>Weight</b>	40 and/or 50 kg

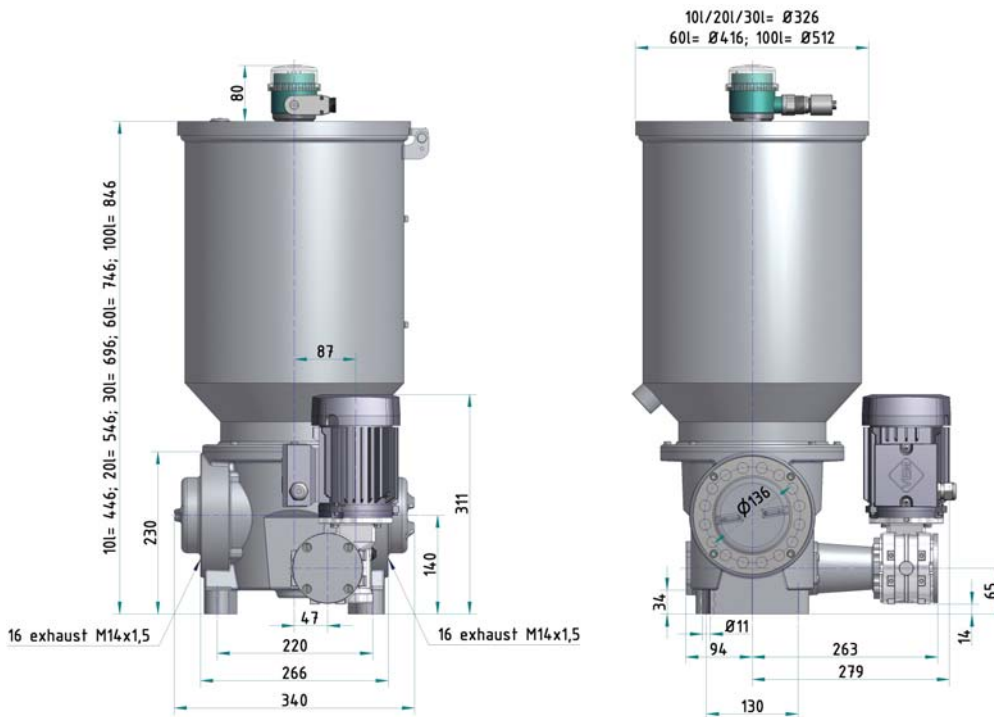
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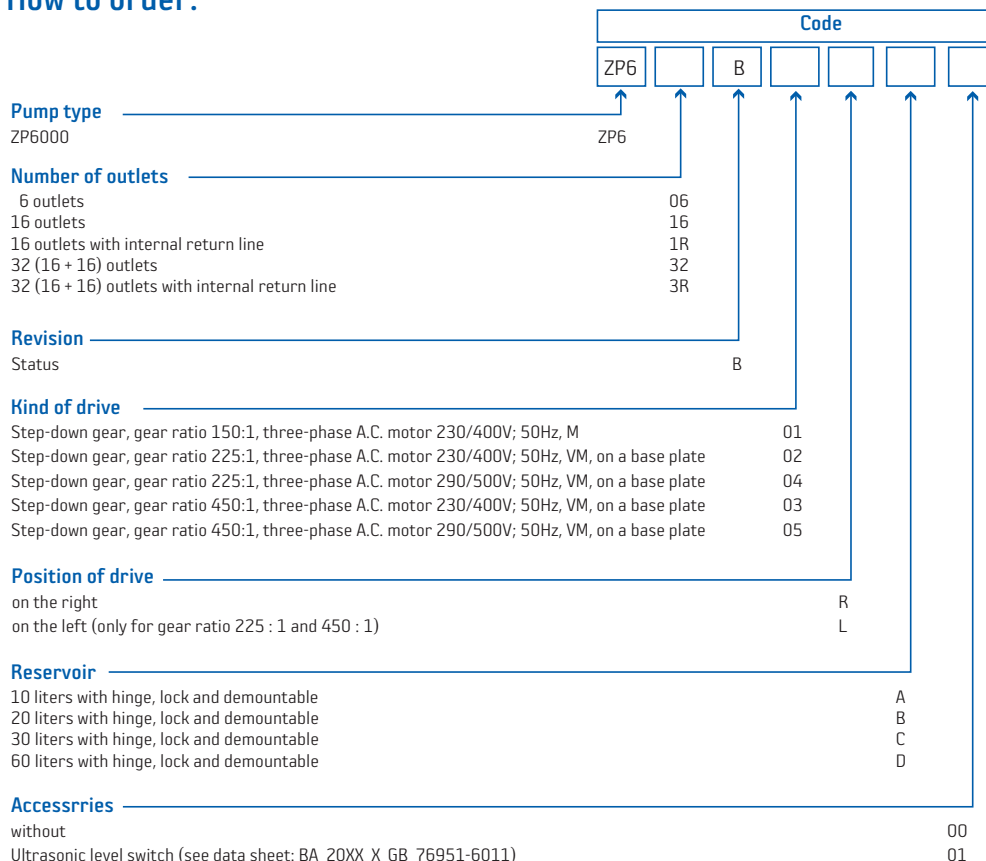
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40227 Düsseldorf

## Dimensions (mm)



## How to order:



## Example of order:

**ZP6 32 B 01 R C 01**

Pump ZP6000, 32 outlets,  
Step-down gear, ratio 150:1,  
three-phase A.C. motor 230/400V,  
50Hz, M, position of drive on the  
right, reservoir 30 litres metal,  
level switch for 30 litres reservoir.

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