

Pump ZP5000

Product description

Application

The central lubrication pump ZP5000 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 16 lubrication points
- + Maintenance-free
- + Pressure range up to 160 bar
- + Lubricant: oil, grease, liquid grease
- + Surface signal grey RAL 7004

Function

The pump ZP5000 consist of such following main assemblies as:

- + Pumping unit
- + Drive
- + Lubricant reservoir

Drive of central lubrication pump ZP5000 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.

The pump ZP5000 can be supplied with 1 or 2 pumping units installed opposite to each other with a maximum of 8 outlets each. The rate of delivery can be set infinitely from 0 ... 0.2 cm³/stroke. Upon dispatch of pumps, the rate of delivery has been set to maximum value.

Technical Data

Rated pressure	160 bar
Operating pressure	in dependence on operating mode and operating conditions (to be agreed upon with the manufacturer)
Rate of delivery per outlet	0 ... 0.2 cm ³ /stroke
Pipe connection for feed line	M 14 x 1.5
Step-down ratio	150 : 1; 300 : 1; 420 : 1; 225 : 1
Delivery rate	1.69 cm ³ /min; 0.84 cm ³ /min; 0.6 cm ³ /min; 1.12 cm ³ /min
Rated speed of pump shaft (rpm)	max. 12 min ⁻¹
Electro motor	K21R 63 G4 IM B14K
Rated speed	1360 min ⁻¹
Motor power	0.18 kW
NLGI class	000 ... 3
Temperatur range	- 30 °C up to + 60 °C
Number of outlets	max. 16
Reservoir capacity	5; 10; 20; 30 litres
Weight	21 and/or 24 kg



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