### Pump unit

## P 205



### **Product description**

The P 205 high-pressure, multi-line pump can supply lubricant directly to lubrication points or can be used as a centralized lubrication pump in large-sized progressive systems. It can drive up to five elements, which are available in varying sizes for optimum adjustability. The pump's drive and eccentric shaft design, high-efficiency worm gear, minimal number of parts and multi-range motor provide several advantages. P 205 pumps are available with a three-phase flange mount and multi-range motor or with a free shaft end for use with other motors. Various gear ratios and reservoir sizes with or without level control are offered.

#### Features and benefits

- Durable, versatile and reliable pump series
- Suitable for grease or oil
- Designed for continual lubrication of machines and systems operating in harsh environments
- Broad range of output options
- Modular design and easy maintenance

#### **Applications**

- Stationary machines with a high lubricant consumption
- Turbines in hydro-electric power plants
- Needling machines
- Screens and crushers in quarries
- Material handling equipment



#### Technical data

Function principle

Metering quantity per stroke

Output per outlet Outlets

Lubricant

Operating pressure Operating temperature

Protection class

Materials

Reservoir 1)

Line connection

Drive speed main shaft Electrical connections

**Dimensions** 

Mounting position Options

1) valid for p=1 kg/dm3

electrically operated, multi-piston pump

0,04-0,23 cm<sup>3</sup> 0.002-0.014 in<sup>3</sup>

0,08-4,20 cm<sup>3</sup>/min, 0.005-0.256 in<sup>3</sup>/min

oil: viscosity from 40 mm<sup>2</sup>/s grease: up to NLGI 2 max. 350 bar, 5075 psi -20 to +40 °C, -4 to +104 °F

steel plate or plastic,

depending on reservoir plastic:

4 and 8 kg, 8.8 and 17.6 lb

steel:

5, 10 and 30 kg, 11; 22 and 66 lb  $G_{4}$ 

grease: < 25 min<sup>-1</sup>, oil: < 25 min<sup>-1</sup>

500 V AC/50Hz

380-420 V AC/50 Hz, 440-480 V AC/60 Hz

depending on the model min. 406 × 280 × 230 mm max.  $507 \times 365 \times 300 \text{ mm}$ min. 160 × 110 × 91 in max. 200 × 144 × 118 in

vertical

several different level switches;

ATEX versions



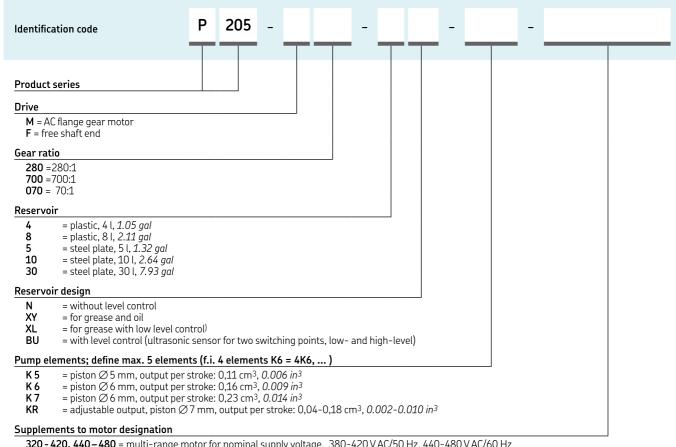
#### NOTE

For further technical information, technical drawings, accessories, spare parts or product function descriptions, see the following publication available on SKF.com/lubrication:

13651 EN

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320 - 420	440-480	= multi-range motor	for nominal sun	nly voltage	380-420 V AC/50 Hz	440-480 V AC/60 Hz
320 720	,0 -00	- matti range motor	ioi nominal sup	pry vortage,	300 TZO V AC/ 30 112,	770 700 1 700 112

500 = single-range motor for nominal supply voltage, 500 V/50 Hz

pump without motor, with coupling flange

P205 pump elements						
Order number	Order number Description		Metering quantity per stroke			
		cm <sup>3</sup>	in <sup>3</sup>			
600-26875-2	pump element piston K 5	0,11	0.006			
600-26876-2	pump element piston K 6	0,16	0.009			
600-26877-2	pump element piston K 7	0,23	0.014			
655-28716-1	pump element adjustable KR (7)	0,04–0,18	0.002-0.010			
303-19285-1	closing screw 1)	-	-			

Pressure-relief valve and filling connectors				
Order number	Description			
624-29056-1	pressure-relief valve, 350 bar, $G\sqrt[4]_4D$ 6 for tube $\varnothing$ 6 mm $OD$			
624-29054-1	pressure-relief valve, 350 bar, G $^{1}/_{4}$ D 8 for tube $\varnothing$ 8 mm 0D			
304-17571-1	filling connector G 1/4 female 1)			
304-17574-1	filling connector G 1/2 female 1)			
1) filling connector fits for vacant outlet ports				



1) for outlet port instead of a pump element

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