### Pump unit

# ZPU 01/02





#### Product description

Grease

The ZPU 01/02 high-pressure, high-volume pumps can be used as a supply pump for small to midsize dual-line systems or for progressive systems.

Depending on the system layout, these electric pumps can supply lubricant within a 50 m (*54 yd*) radius at a maximum pressure of 400 bar (*5 800 psi*). Available with 10 or 30 l (*2.6 or 8 gal*) reservoirs, these units are compatible with oil and grease up to NLGI 2 (NLGI 3 upon request). Featuring one or two elements, the ZPU 01/02 pumps work effectively in a broad temperature range thanks to the integrated stirring device.

#### Features and benefits

- Reliable
- Versatile
- Ultrasonic low- and high-level control options
- Free shaft end for use with other motors

#### Applications

- Light to medium industrial applications
- Mixing machines
- Power plants
- Reclaimers
- Stackers

#### Technical data

Operating temperature	. electrically operated piston pump 20 to +70 °C; -4 to +158 °F .M 100, M490: max. 350 bar; 5 075 psi M049: max. 400 bar; 5 800 psi
Lubricant	
	up to NLGI 2, NLGI 3 on request oil:
	with a viscosity of min. 20 mm <sup>2</sup> /s
M + · · · · · 1)	at operating temperature
Metering quantity $\pm^{1}$	. ZPU 01: 13,33 cm <sup>3</sup> /min; 0.813 in <sup>3</sup> /min ZPU 02: 26.67 cm <sup>3</sup> /min: 1.63 in <sup>3</sup> /min
	ZPU 02-M049:
	53,33 cm <sup>3</sup> /min; 3.25 in <sup>3</sup> /min
Reservoir	. 10 or 30 l; 2.6 or 8 gal
Connection main line <sup>2)</sup>	
Operating voltage	model E: $G^{1/4}$
	440–480 V AC/50 Hz; (± 10%)
Protection class	
Dimensions	
	min. 20.25 × 15.00 × 12.50 in
	max. 754×431×337 mm
Dimensions low-level sensor	max. 29.75×17.00×15.00 in
Dimensions tow-level sensor	1.2×5.0×2.75 in
Mounting position	
5.	

1) output increase by 20% for 60 Hz applications



For further technical information, technical drawings, accessories, spare parts or product function descriptions, see the following publication available online at SKF.com/lubrication: **951-171-016 EN** 

3D data and product configuration: skf-lubrication.partcommunity.com/3d-cad-models/

### Pump unit

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Order number configurator	ZPU					 	
Product series							
Outlets							
<b>01</b> = 1 element <b>02</b> = 2 elements							
Drive assemblies							
<ul> <li>M = three-phase flanged motor, motor design e.g. for voltage frequencies, explosion-pr the pump type code</li> <li>F = free shaft end</li> </ul>							
Gear ratio							
<b>490</b> = 1:490 <b>100</b> = 1:100 <b>049</b> = 1:49							
Reservoir							
<b>10</b> = 10 l; 2.6 gal <b>30</b> = 30 l; 8 gal							
Reservoir design							
XYN = reservoir without level control XYBU = reservoir with low- and high-level co	ntrol (ultrasonic se	nsor)					
Pump elements							
<ul> <li>E = single element</li> <li>V = bracket with element and pressure gauge</li> </ul>							
Extension for motor designation							
380-420.440-480 = standard multi-range r000 = pump without motor, w			and 440–48	80 V AC/60	Hz	 	

Grease