

GSP-20K

55gal Drum Progressive Cavity Pump

The GSP-20K by GLUDITEC is a progressive cavity screw pump designed to handle large 200L (55-gallon) drums, employing advanced screw pump technology. This system is optimized for managing high-viscosity adhesives with remarkable precision, ensuring smooth and consistent material flow even under challenging conditions. Its robust design makes it ideal for industrial applications that demand accuracy in adhesive dispensing at high volumes.

FEATURES

- Eliminating waste from switching containers
- Equipped with a tight sealing ring inside to minimize leftover high-viscosity liquid.
- Ideal for dispensing liquids with viscosities ranging from 10,000 to 1,000,000cps.
- Ensures accurate and smooth control without pulsation using a single screw mechanism.
- Both the stator and rotor are constructed from highly durable materials to resist wear effectively.



SPECIFICATION

Properties	GSP-20K-15CC	GSP-20K-48CC	GSP-20K-200CC
Input air pressure	36 bar	18 bar	18 bar
Revolutions	0~85rpm/min	0~85rpm/min	0~85rpm/min
Dispensing speed	2.5~21 ml/s	8~68 ml/s	33~280 ml/s
Dispensing accuracy	±2%		
Glue packaging	200kg/ 55gal		
Drum Inner Diameter	572±2 mm (customizable)		
Power	AC 220V / 380V, 50±2Hz		
Glue viscosity range	10,000~1000,000cps		
Liquid temperature	≤ 80°C		
Pump method	Precision dosing screw pump		
Rotor material	304 stainless steel (hardened)		
Stator material	conventional FKM , according to the medium can be selected NBR / EPDM (EPDM), etc.		

The rotational speed adjusts based on the medium's characteristics. For materials with high viscosity, solid content, abrasiveness, or low fluidity, a lower speed is recommended. For detailed guidance on selecting the optimal speed, please reach out to our engineering team.