

ZB-U extrusion spinning pump

ZB-U series spinning pump introduction:

ZB-U series **spinning pump** can precisely meter and constantly convey polymer melt to spinnerets. **Gear metering spinning melt pump** has a sophisticated structure, high precision, good repeatability, and widely used in medicine, detergents, paper, petrochemical, rubber, paints, polyurethanes and other fine chemicals and general chemical industries, especially for nonwoven extrusion. Main application of **extrusion spinning pump** is for large capacity melt conveying.



ZB-U extrusion spinning pump technical parameter:

- ◆ Pressure: high pressure
- ◆ Theory: positive displacement gear pump
- ◆ Material for [Melt Pump](#) Body: High temperature tool steel or chrome-nickel steel
- ◆ Material for Gear: High temperature tool steel or nitrided steel
- ◆ Material for Sliding Bearing: High temperature tool steel
- ◆ Shaft Sealing: Spiral sealing or packing sealing spiral and packing sealing or other combined sealing;
- ◆ Heating System: Electrical rod heating
- ◆ Working speed: about 5 to 60 rev / min

ZB-U gear metering spinning melt pump operating parameter:

- ◆ Number of Inlet: 1
- ◆ Number of Outlet: 1
- ◆ Outlet Pressure: 40MPa
- ◆ Working Rotation Speed: 5-30rpm
- ◆ Max. Differential Pressure: 35MPa
- ◆ Operation / Working Temperature: $\leq 330^{\circ}\text{C}$ (Max. 300 degree centigrade)
- ◆ Cleaning Temperature: $\leq 450^{\circ}\text{C}$ (Max. 450 degree centigrade)

ZB-U series spinning pump features and advantages:

- ◆ Smaller module and more teeth of work gears
- ◆ High accuracy
- ◆ Reduced unevenness flow
- ◆ Timely spinning fluid filled tooth valley
- ◆ Structural precision
- ◆ Good repeatability



Melt Pumps:



Screen Changers:



Loss in Weight Feeders:



Control Systems:



ZB-U extrusion spinning pump cleaning methods:

- ◆ Calcination method
- ◆ Bath method (molten salt method)
- ◆ Chemical treatment method

ZB-U gear metering spinning melt pump applications:

Spinning pump is suitable for chemical, chemical fiber, food, biological, pharmaceutical and other industries, and widely used in precision measurement of polyester, nylon, spandex, carbon fiber, Kevlar, PSA, high-strength polyethylene, acrylic, polypropylene, vinylon, acetate fiber, viscose fiber, chemicals, oil, paint, thickeners, etc.

Batte Main Products

Melt Pump Series:

- ★ [ZB-B standard extrusion melt pump](#)
- ★ [ZB-C reinforced melt pump for extrusion](#)
- ★ [ZB-D gear pumps for pipeline](#)
- ★ [ZB-E pressurized melt pump](#)
- ★ [ZB-F melt pump for reactor](#)
- ★ [ZB-H high pressure extruder pump](#)
- ★ [ZB-K polymer discharge gear pump](#)
- ★ [ZB-R extrusion rubber pump](#)

- ★ [RS double shaft rubber gear pump](#)
- ★ [ZB-U spinning pump](#)
- ★ [ZB-W chemical metering melt pump](#)
- ★ [ZB-X gear metering chemical pump](#)
- ★ [New type melt pump](#)
- ★ [Melt pump spare parts](#)
- ★ [PID control system for extruder](#)
- ★ [PLC control system for extrusion line](#)
- ★ [PDF download](#)

Screen Changer Series:

- ★ [Manual screen changer](#)
- ★ [Slide plate screen changer](#)
- ★ [Continuous piston screen changer](#)
- ★ [Continuous backflush screen changer](#)
- ★ [Automatic belt screen changer](#)
- ★ [Pelletizer filter without wire mesh](#)
- ★ [Screen changer spare parts](#)
- ★ [PDF download](#)

Loss in Weight Feeder Series:

(For granule, sheet, powder, liquid, etc.)

- ★ [Loss in weight screw feeder](#)
- ★ [Volumetric screw feeder](#)
- ★ [Liquid polymer feed system](#)
- ★ [Multi-component gravimetric feeders](#)
- ★ [Gravimetric feeder control system](#)
- ★ [Feeding system](#)
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