

RS double shaft rubber gear pump

RS series double shaft rubber gear pump applications:

RS series **double shaft rubber gear pump** can effectively improve the power, stabilize output, and reduce gear wear down. **Melt pumps for rubber** is the expanded version of ZB-R rubber pump, and mainly used for extruder to pressurize, stabilize flow of medium or high viscosity polymer melt. This series [melt pump](#) adopts electrical heating system, and applies to butadiene rubber, chloroprene rubber, EPDM, SBR, NBR, natural rubber, PS, PP, PET, PVC, PC, PMMA, PA, ABS, PE-LLD, etc.



Operating Parameter of RS melt pumps for rubber:

- ◆ Viscosity: ≤ 40000 Pa.s
- ◆ Working Temperature: $\leq 400^{\circ}\text{C}$ (750°F)
- ◆ Cleaning Temperature: $\leq 450^{\circ}\text{C}$ (850°F)
- ◆ Inlet Pressure: $\leq 10\text{MPa}$
- ◆ Outlet Pressure: $\leq 40\text{MPa}$ (6,000psi)
- ◆ Differential Pressure: $\leq 25\text{MPa}$

Technical Parameter of RS double shaft rubber gear pump:

- ◆ Pressure: high pressure
- ◆ Theory: positive displacement gear pump
- ◆ Material for Melt Pump Body: High temperature tool steel or chromenickle steel
- ◆ Material for Gear: High temperature tool steel or nitrided steel
- ◆ Material for Sliding Bearing: High temperature tool steel, special materials or coating
- ◆ Shaft Sealing: Spiral Discharging, packing
- ◆ Heating System: electrical heating
- ◆ Cooling System: Shaft end cooling
- ◆ Model/Volume Range: 0.5CC - 2500CC, 0.5cm³/rev - 2500cm³/rev

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](#)
- ★ [PDF download](#)