

ZB-D Series Extruding pump for polymer

Introduction of Extruding pump

ZB-D series extruding pump for polymer is mainly used for stabilizing, pressurization and transportation of medium or high viscosity medium from the polymer flow layer. This series of melt pump adopts conduction oil heating, and applies to PET, PBT, PA, PC, PS, SAN, ABS, HIPS, PP, PE, POM, etc.



Technical Parameter of Extruding gear pump

- ◆ Melt Pump Body: High Temperature Tool Steel or Chromium-nickel Steel
- ◆ Gear: Stainless Steel, Nitrided Steel, or Customization
- ◆ Tooth profile: Straight tooth, Helical tooth, Herringbone tooth
- ◆ Sliding Bearing: High Temperature Tool Steel, special material and wear-resistant coating
- ◆ Shaft Sealing: Screw sealing, Packing seal, Screw sealing+Packing seal, other combined sealing
- ◆ Heating System: Conduction oil heating

Operating Parameter of Extruding melt pump

- ◆ Volume Range: 0.5CC - 12000CC
- ◆ Viscosity: ≤ 40000 Pas
- ◆ Working Temperature: $\leq 400^{\circ}$ C (750° F)
- ◆ Cleaning Temperature: $\leq 450^{\circ}$ C (850° F)
- ◆ Outlet Pressure: 40MPa(6000psi)

Main Product: [melt pumps](#), gear pumps, metering pump; [loss-in-weight feeders](#), weight feeder, liquid feeder, gravimetric feeder, volumetric feeders; [screen changer](#), polymer filter, melt filtration equipment.

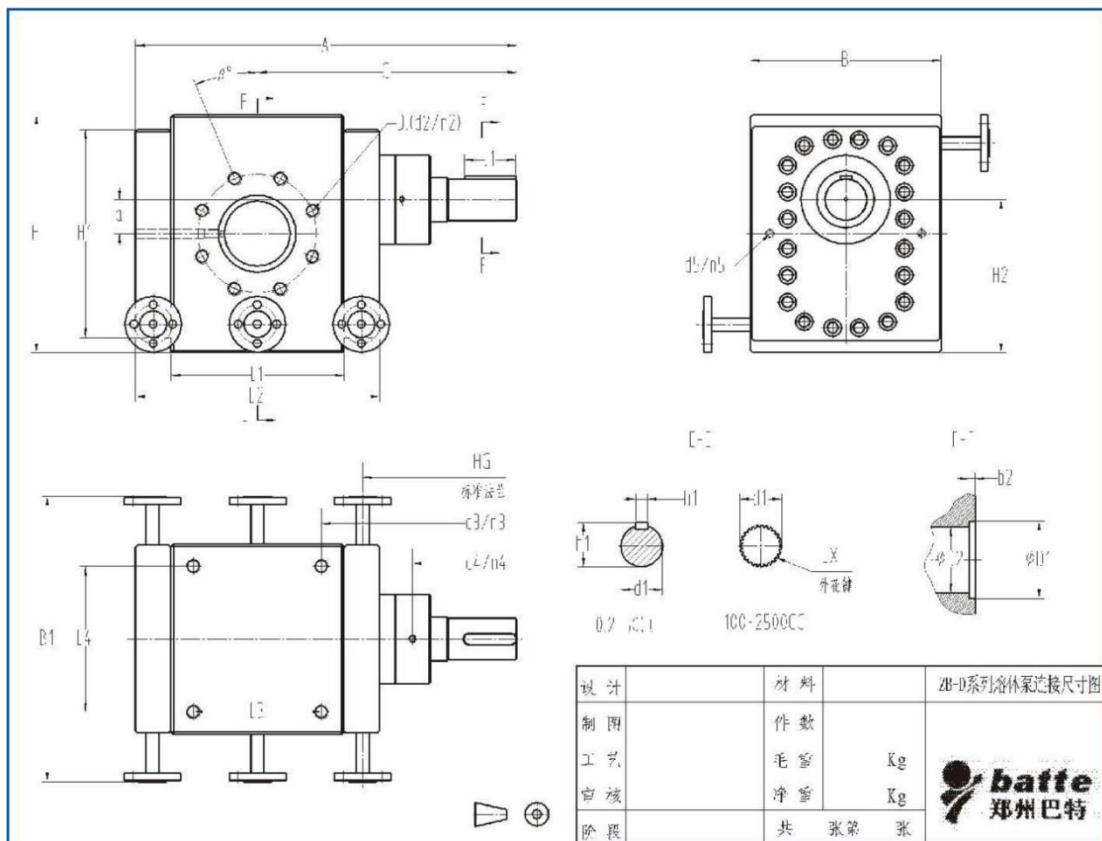
Features of Extruder pump

- ◆ Stable output pressure
- ◆ Improve the quality of products
- ◆ Improve the productivity of extrusion
- ◆ Reduce unit energy consumption
- ◆ Extend the service life of the whole machine

Application of Melt pump

- ◆ Polymer extrusion molding, such as granulation, film, pipe, plate, sheet, etc;
- ◆ High-viscosity materials such as PET, PBT, PA, PC, PS, SAN, ABS, HIPS, PP, PE ,POM, etc;
- ◆ Rubber, asphalt, paint, adhesives, coatings, lubricants, polyalcohol, non-particulate impurities;
- ◆ Polyester for cotton-fiber, polypropylene and other chemical fiber melt.

Structure of Extruder pumps



Parameters of Extruding gear pumps

Type	CC/Rev	Capacity (L/H)	Heating power (kw)	Dirven system (kw)	Pressure	Temperature
ZB-0.2	0.2	0.2-0.6	0.5	0.37	Inlet pressure: ≥0Mpa Exit pressure: ≤35Mpa	Operating temperature: ≤350℃ Clearing temperature: ≤450℃
ZB-1	1	1-3	1	0.5		
ZB-2	2	2-6	1	0.75		
ZB-5	5	5-15	1	1.1		
ZB-10	10	10-30	1	1.5		
ZB-20	20	20-60	2	2.2		
ZB-31.5	31.5	30-90	2	3		
ZB-50	50	50-150	2	4		
ZB-100	100	100-300	3	5.5		
ZB-150	150	150-450	4	7.5		
ZB-200	200	200-600	4	11		
ZB-250	250	250-750	5	15		
ZB-315	315	300-900	6	18.5		
ZB-400	400	400-1200	8	22		
ZB-500	500	500-1500	10	30		
ZB-630	630	600-1800	12	37		
ZB-800	800	800-2400	15	45		
ZB-1000	1000	1000-3000	18	55		
ZB-1500	1500	1200-4500	20	75		

The other Products



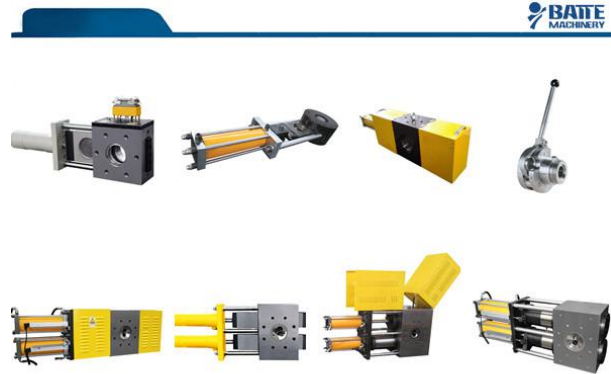
- [ZB-B Gear melt pump](#)
- [ZB-C Extruder melt pump](#)
- [ZB-D Extruding pump for polymer](#)
- [ZB-E Pressurized melt pump](#)
- [ZB-F Melt pump for reaction kettle](#)
- [ZB-H High temperature and high pressure melt pump](#)
- [ZB-K Polymer melt pump](#)
- [ZB-R Gear pump for rubber extruder](#)
- [ZB-U Spinning gear metering pump](#)
- [ZB-X Chemical transporting and dosing pump](#)

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Main Product: [melt pumps](#), gear pumps, metering pump; [loss-in-weight feeders](#), weight feeder, liquid feeder, gravimetric feeder, volumetric feeders; [screen changer](#), polymer filter, melt filtration equipment.

- [Double plate hydraulic screen changer](#)
- [Manual control screen changer](#)
- [Double piston four screen cavities screen changer](#)
- [Automatic mesh belt continuous screen changer](#)
- [Single piston screen changer](#)
- [Single plate screen changer](#)
- [Double piston double screen cavities screen changer](#)
- [Four screen cavities backflash screen changer](#)



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- [Single screw gravimetric dosing feeder](#)
- [Single screw gravimetric feeder](#)
- [Twin screw loss in weight metering feeder](#)
- [Twin screw loss in weight feeder](#)
- [Volume feeding machine \(single screw,twin screw\)](#)
- [Micro loss in weight metering feeder](#)
- [Micro loss in weight feeder](#)
- [Liquid loss in weight feeder](#)
- [Multi-component loss in weight feeder](#)