

ZB-X Series Chemical transporting and dosing pump

Introduction of Chemical pump

ZB-X series Chemical transporting and dosing pump is mainly used for conveying and metering of fluids with low medium viscosity. The application range goes from classic transfer and metering tasks in the chemical and pharmaceutical industries up to the conveyance of monomers, oligomers and prepolymers during the production of polymers. Decades of experience in construction and an optimum selection of materials, make this type of chemical pump suitable for even the most demanding tasks and are outstanding in their reliability and metering precision in both vacuum and high pressure applications.



Features of Chemical gear pump

- ◆ Can meet the demand of chemical craft .
- ◆ High temperature , low temperature resistant .
- ◆ Corrosion resistant .
- ◆ Resistant to wear and tear
- ◆ No leakage .
- ◆ Can transport liquid of critical state .

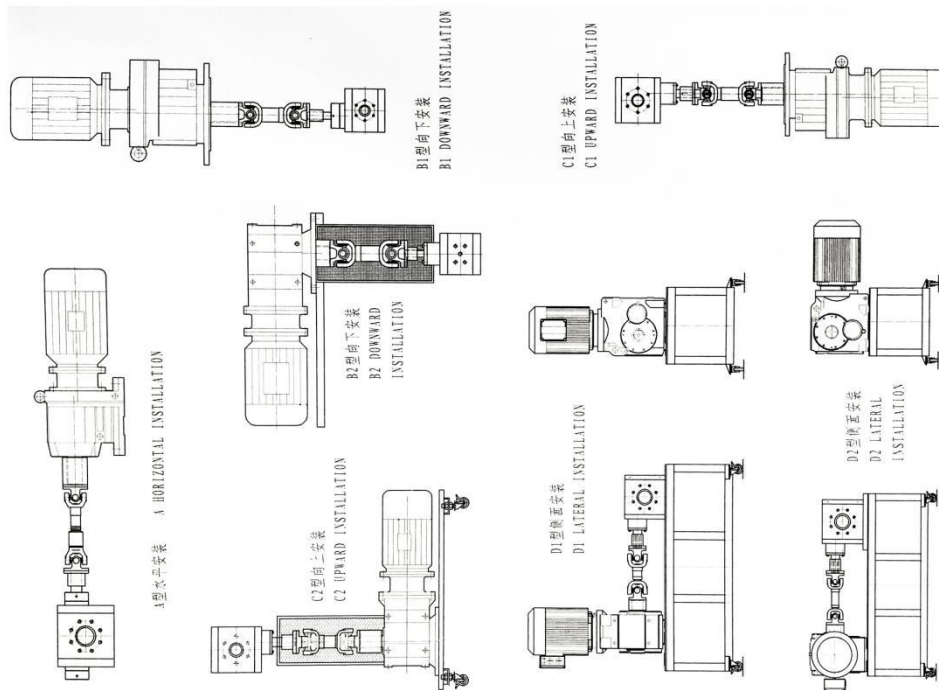
Application of Chemical dosing pump

Batte chemical Pumps are widely applied in waste water treatment, chemical industry, petrochemical industry, painting, ceramics, environmental protection, printing and dyeing, etc. to deal with all kinds of corrosive, volatile, flammable, poisonous fluids with particles and high viscosity. Batte chemical pumps are adaptable for most highly aggressive or corrosive media.

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.

Organic and inorganic chemicals	Alcohols, additives, bases, esters, glycerine, resins, hardeners, isocyanates, monomers, oils, phenol, acids, biodiesel, asphalt, bitumen, tar, hot melt, glues, waxes, etc.
Polymers	Cellulose acetate, Nylon 66, prepolymers, etc.
Food industry	Vegetable oils, butter, margarine, flavourings, chocolate, fudge, liquorice, chewing gum, vitamins, syrup, gelatine, etc.
Pharmaceutical and Cosmetic Products	Amino acids, lotions, shampoo, vitamins, etc.
Housing	Non-alloyed and alloyed steels, tantalum, titanium, Hastelloy, ceramic

Installation of Chemical metering pump



Parameters of chemical pump

Max. Outlet Pressure	700Bar
Max. Outlet Pressure	200Bar
Max. Differential Pressure	500Bar
Viscosity	20000Pa.s
Temperature	510 Celsius degree

Parameters of Melt pump

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](#)