

A product description:

ceramic plunger mud pump for vertical double cylinder porcelain piston pump. It is divided into two kinds of quantitative and variable, is designed for pressure transmission mud type working medium designed. Quantitative pumps can be used in the spray dry noise tower and other pressure transmission field; **variable sludge piston pump** can be adapted to the filter press dehydration process to flow pressure changes.

The pump is hydraulically driven and consists of the electrical box part, the tank part, the power cylinder and the ceramic plunger in the overall structure (see figure).

ceramic plunger mud pump part of the cylinder, porcelain plunger, sealed packing, into and out of the slurry valve, air regulator tank and other components.

Power cylinder and piston pump through the guide rod, piston rod and beam into one, as part of the main part of the hydraulic transmission system, one-way travel valve (fuel valve) and the collision with the host.



The fuel tank is composed of fuel tank, oil pump, manifold and other parts. The electric box is attached to the fuel tank. The hydraulic oil is equipped with a cooler in the circuit, and the oil is cooled with water.

Two oil cylinders in series, relying on the fuel system to ensure that the cylinder piston action is accurate and stable.

Two products use:

B series piston pump is mainly used in the transmission of **ceramic piston pump**, coal slurry transport, kaolin, stone sewage and non-metallic mineral suspension transport. It can also be used for the transportation of food suspensions, chemical slurries, electronic slurries, magnetic materials and the like. It can deliver solid content of more than 70% of the concentrated suspension of the characteristics of it in the spray drying tower, filter press and other drying equipment supporting the use of a high work and energy efficiency.



Three product parameters:

model	Limited Data (m3/h)	Pressure range (MPa)	preset pressure (MPa)	Red times (times / min)	stroke (mm)	Motor Power (kw)	Dimensions (L x W x H)	Total Weight (kg)
YB-85	3.0	0-2.0	2.0	24	200	4	1230x850x1600	550
YB-120D	7.1	0-2.5	2.0	24	200	11	1600x1200x1900	850
YB-120G	7.1	0-3.0	2.5	24	250	11	1600x1200x1900	850
YB-140D	10	0-2.5	2.0	26	250	11	1600x1200x1900	900
YB-140G	10	0-3.0	2.5	26	250	11	1600x1200x1900	900
YB-200	19	0-2.5	2.0	26	250	18.5	1700x1300x2000	1300
YB-250	30	0-2.5	2.0	22	250	22	1960x1700x2150	1800

Four product advantages:

Before the general sewage treatment plant sludge dewatering with a belt filter press extrusion dehydration, sludge transport with slip **pumps with ceramic piston** delivery, mud moisture content is relatively high, is now gradually switch to plate and frame filter press, the output of mud The water content of the cake is low, which is conducive to the reduction of the sludge. The sludge is transported by the original screw pump. However, when the sludge slurry contains concrete such as plastic, fiber and gravel, the screw and rubber sleeve of the screw pump are easy Wear, screw processing technology is complex, expensive, high operating costs; also useful diaphragm pump delivery, but the pressure is not high, the mud moisture content is still relatively high.

ceramic plunger mud pump: the hydraulic station cylinder hydraulic drive, smooth running without impact; wear-resistant, corrosion-resistant alumina ceramic plunger, alumina ceramic Rockwell hardness to HRA80-90, hardness after diamond, its resistance Grinding performance is equivalent to 266 times the manganese steel, high chromium cast iron 171 times, due to the use of combined sealing method, the ceramic plunger only with the rubber seal friction, as long as the operation of the cooling water is not interrupted to ensure the cooling effect, Almost no wear, corrosion, fragile only seals; ceramic piston pump structure is simple, stable operation, the working pressure up to 2.5MPa, in the sludge without PAM flocculant conditioning case, the mud moisture content still Low, in the case of cost savings in line with the requirements of environmental protection sludge reduction, the specific use of the plate and frame filter press plate pressure value must be adjusted, not exceed the pressure value, otherwise it will damage the plate and frame; Smooth, long life, easy operation and maintenance.