

HOSE PUMP

1. Summary



Our flexible tube pump is a new type、 multi-functional and multiuse industry pump which is developed on the basis of foreign advanced technologies. It has changed the traditional impeller and axis seals model and has the great advantages in transporting the mediums of high viscosity、 strong corrosion、 fluid with large impurity which is very different with traditional transport pump's principle.

2. Detail information

TYPE	FLOW RATE m3/h	PRESSURE kg/cm2	POWER KW	SPEED r/min	HEAD m
HP25-0.5-10	0.5	10	0.55	30~88	9
HP32-1-10	1	10	0.75		
HP40-2-10	2	10	1.5		
HP40-3-10	3	10	2.2		
HP50-4-10	4	10	2.2		
HP50-6-10	6	10	3		
HP60-10-10	10	10	5.5		
HP60-15-10	15	10	7.5		
HP75-20-8	20	8	7.5		
HP75-30-8	30	8	11		

3. Application Field

Phosphate fertilizer and compound fertilizer: It is used in metering fluid conveying at lab; spray granulation, concentrated slurry or depositing sludge conveying.

Mining and mill run: the transport of filling materials in gold mining and the pulp in gold melting; concentrated slurry, underpass draining, absorbents, mortar and grout, etc.

Gold mining industry: gold pulp and tailings.

Chemical industry: acid, alkali, phosphate slurry and titanium dioxide, etc. inorganic salt materials; crystal liquid, suspension liquid, latex, resin, ooze mud and various kinds of acid、alkali slurry.

Sewage treatment: the transport of silt slurry, lime mortar, etc.

Petroleum industry: the transport of drilling slurry and crude oil.

Ceramic industry: the transport of embryo pulp, clay glaze and ceramic glaze.

Papermaking industry: the transport of paper pulp and sulfur pulp.

Cosmetics: toothpaste, emulsion, hair conditioner, face cream, face oil, etc.

Building industry: sewage and gulf drainage, cement slurry, concrete slurry, ceiling coatings, etc.

Electroplating and electrolysis industry: electroplating solution, electrolyte solution, anode slime, precipitate, etc.

Food industry: the transport of oil materials and drink.

Medical industry: the transport of various kinds of medicine feeding liquids; the transport of radioactive waste liquid, electrolytic residues, metal slag, paint, coating, printing and dyeing auxiliaries, adhesives, glue, latexes, fireproof fiber slurry and other liquids of high sealing requirement, high viscosity and more particle content.

4. Principle of operation:

A couple of rolling wheel is rotated in the pump chamber which is full of the special lube oil; the rolling wheels squeeze a special high-strength hose together with the pump chamber-wall and make the hose flattened. With the rotation of the rolling wheel, the

flattened place of the hose is also moved from the liquid inlet end to the outlet end. During this process, the hose of inlet end will be recovered to the original sample gradually and the volume became larger, so that it will produce vacuum to suction the materials; the hose of outlet end will be squeezed and the volume became smaller, so that it can discharge the materials by force. By this cycle fluctuation, the suction and discharge should be achieved.

