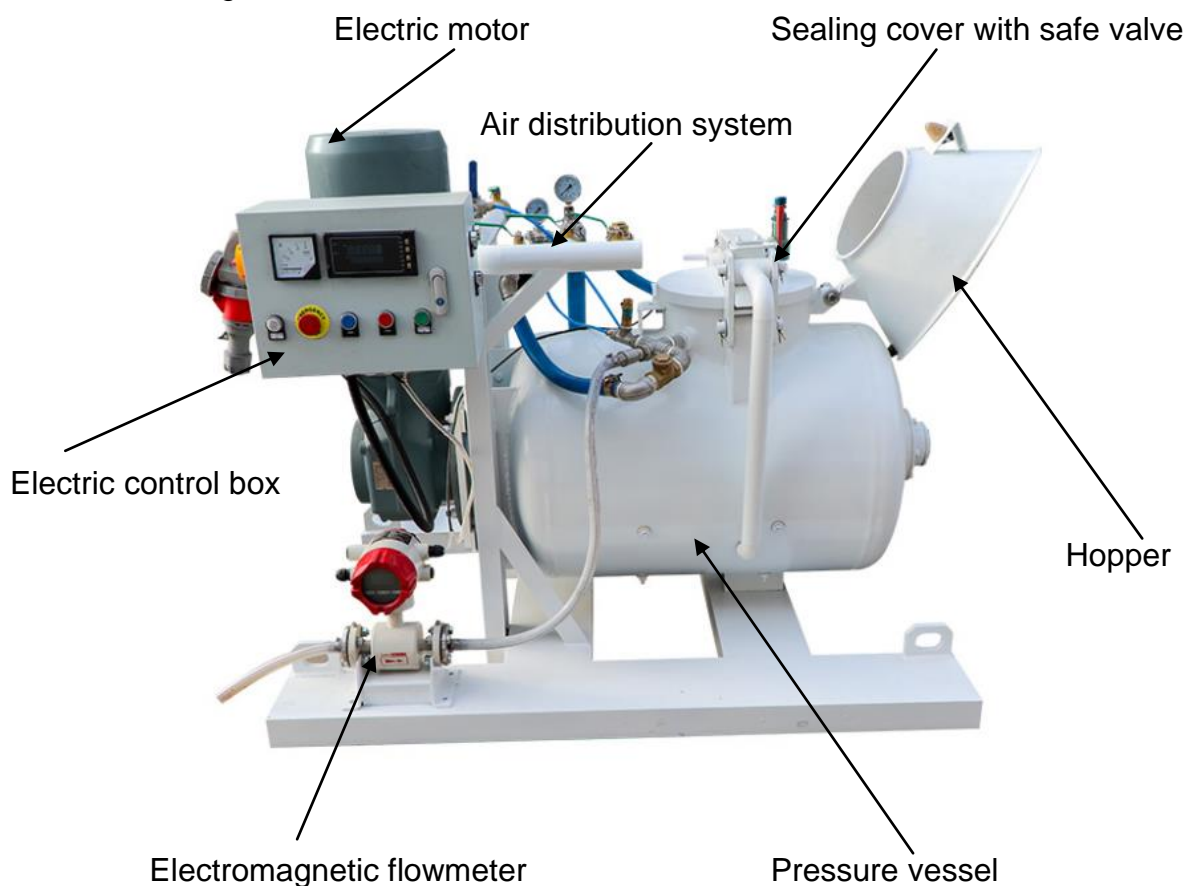


LDPX Pneumatic refractory mixing and pressure conveying unit

Description

LDPX Pneumatic refractory mixing and pressure conveying unit is specially designed for conveying of solid and moistened mortar, concrete mixture and refractory castable. It is suitable for the using in the metallurgical industry produce permanent linings for ladles, tundish, blast furnace runners, on industrial and melting furnaces for the glass and aluminium industry. The machine can be used also in the building (construction) industry at the concreting of base of building, floors and larger concreted areas.



Working principle

Mixture closed in the pressure tank will be mixed by motion of mixing blades and by the compressed air. Mixing blades slide simultaneously the mixture and push it into the discharge port of the tank. Additional, lower position compressed air entering into the conveying hose and blow mixture uniform motion of in transport hoses. Transport of the mixture in the conveying hose passes in agglomerates, and unique swirling air path design makes the materials will not produce large fluctuations.

Application

- ★ Manufacture and transport of solid and damp concrete mixture and refractory materials.
- ★ In metallurgy, for pig iron production, spout and gutter concreting, in steel production for steel ladle and lid concreting etc.
- ★ In civil engineering, for structure foundation floor and large concrete area pumping.



Internal mixing system



Special swirl adding air design

Advantage

- ★ Rigid and compact mixing and conveying unit;
- ★ Exact electronically water dosage system;
- ★ Mixture of consistently homogenous mixing quality;
- ★ Easy to handle system regarding installation, conveying and cleansing;
- ★ Saving of man power and cost;
- ★ Conveying of materials which are difficult to pump.

Technical Data

Model	LDPX200	LDPX500	LDPX600
Output capacity	4m ³ /h	10m ³ /h	10m ³ /h
Useful vessel volume	200L	500L	600L
Total vessel volume	250L	660L	800L
Max. Grain size of mixture	16mm	32mm	32mm
Electric motor power	11Kw	22Kw	30Kw
Conveying distance	Horizontal 100m, Vertical 40m		
Operating pressure	0.2~0.4Mpa	0.2~0.4Mpa	0.2~0.4Mpa
Max. vessel pressure	0.8Mpa	0.8Mpa	0.8Mpa
Required compressed air	4~6m ³ /min	5~10m ³ /min	5~10m ³ /min
Dimension	1.55x1.55x1.25m	2.88x1.4x1.85m	3.32x1.4x1.85m
Weight	668Kg	1640Kg	1740Kg

