

Pneumatic Emulsion Prop Pump

OVERVIEW

A dual-liquid design, super portable injection equipment suitable for injecting high-pressure liquid into hydraulic props and hydraulic supports.

INDUSTRY

Suitable for environments containing explosive gases, such as underground coal mines.



TECHNICAL PARAMETERS

Item	Unit	2ZYBQ-7.5/20	2ZYBQ-1.5/32
Supply Air Pressure	MPa	0.2-0.7	
Liquid Outlet Pressure	MPa	0-20	0-32
Liquid Outlet Flow	L/min	0-12	0-8
Air Consumption	m ³ /min	≤3	
Weight	kg	24	
Dimensions (L×W×H)	mm	555 × 335 × 285	

KEY FEATURES

- The product has an automatic ratio function; there is no need to pre-mix the emulsion. The equipment can be connected directly to the underground water pipe, and the suction tube automatically draws the emulsion in a proportional ratio, with adjustable settings.
- The equipment is small and lightweight. It can be easily carried on the back for long distances by one person (with a backpack frame), significantly reducing labour intensity.
- It comes with overload protection, improving the safety factor of equipment operation.
- The product includes an air filter, an oil mist filter, an emulsion filter, and a water filter, thereby reducing maintenance requirements and increasing service life.
- It is powered by compressed air and, once connected, can be used for injection within a 200-meter range without needing to reconnect to the air supply.
- The injection pressure is continuously adjustable, allowing for easy operation and adaptation to various injection conditions.
- High working efficiency, capable of raising hydraulic props quickly.
- Broad application range, suitable for high-pressure water supply in the range of 0.5-10 MPa, and can also be used in a self-suction mode when there is no high-pressure water source.
- In situations where a small number of hydraulic props are to be injected at once, an emulsion oil tank can be installed. Emulsion oil can be added to the tank in advance.

