Rail-Mounted Pneumatic Hoist








Mounting options



Gantry mounted



Longitudinal rail mounted



Cross rail mounted

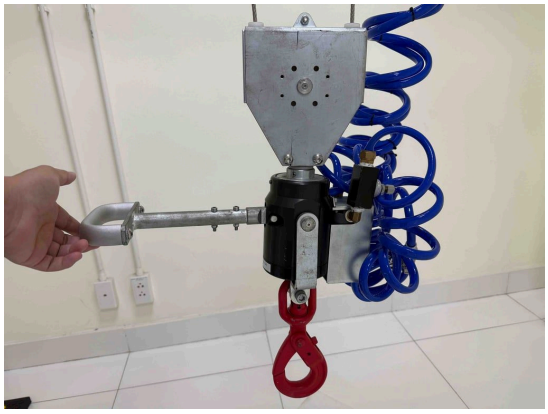
Control handles



Up/down push button

Up/down push button

Simple connection; the handle can be detached to hold separately during operation or used with other equipment.



Force-sensing handle

Force-sensing handle

Lifting and lowering speed follows the downward and upward force of your hand, so light that one finger is enough to operate it.

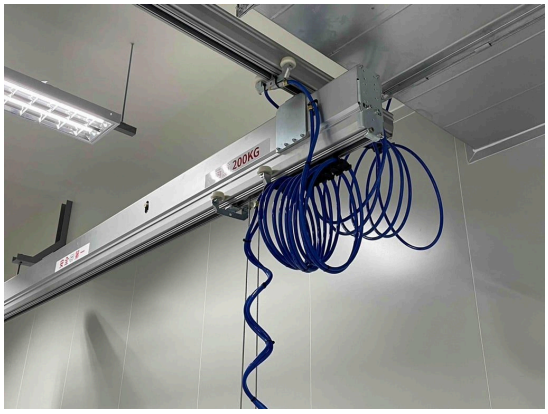
Construction and components



Aluminum housing design

Aluminum housing

Aluminum housing and pneumatic operation suit environments that must stay clean, free of falling dust and sparks.



Aluminum sliding rail

Aluminum rail

Pairs with the pneumatic hoist to give light, precise movement when pushing heavy loads by hand.



Pneumatic filter regulator

Air filter regulator

Removes water, dust and contaminants from compressed air, protecting pneumatic equipment from damage caused by pressure and impurities.



Pneumatic check valve

Pneumatic check valve

Protects pneumatic components such as the filter, hoist and solenoid valves, and maintains pressure at the load end while lifting.

Fabric-reinforced PU air hose

Withstands higher pressure than standard PU hose and does not crack when extended. Stable air delivery and long service life.

About the pneumatic hoist

The pneumatic hoist is designed around **ergonomics** and high efficiency, letting operators move loads **safely and quickly** while **minimizing physical effort**. A dual-wire balancing structure, pneumatically controlled lifting and precise rotation allow loads to be handled **steadily and accurately**. Because the load weight is self-balanced, lifting and lowering is light and precise.

The unit can be fitted with various end effectors such as **vacuum, mechanical grippers and magnets**, or customized tooling, for use across many industries.

General features

- **Load capacity:** Up to 200 kg
- **Maximum length:** 4,000 mm
- **Vertical lifting stroke:** 2,000 mm
- **Operating principle:** Dry, oil-free compressed air, minimum pressure 7kg/cm²

Key advantages

- **High safety:** The dual-wire mechanism keeps the load balanced, reducing the risk of tipping or dropping.
- **Versatile environments:** Usable in explosive atmospheres – suited to chemicals, pharmaceuticals, oil and gas, paint and ink.
- **Aluminum exterior:** Rugged aluminum housing suited to heavy industrial operation.
- **Precise movement:** Easy, accurate handling.
- **Operator friendly:** Ergonomic design reduces fatigue and increases productivity.
- **Low operating cost:** Energy-saving, low maintenance, optimized running costs.
- **Modular design:** Easy to add specialized end effectors.
- **High productivity:** Shorter cycle times and less downtime.

Contact us for consultation and a quotation

Vietnam factory: Workshop A1-1, VSIP Hai Phong, Nam Trieu Ward, Hai Phong City · +84 817 888 198
Taiwan factory: Zhongli District, Taoyuan City · +886 3-451-8806
Email: sales@fullsharp.com.vn · **Website:** www.fullsharp.com

Specifications may vary with the ordered configuration. Please contact FullSharp for exact details.