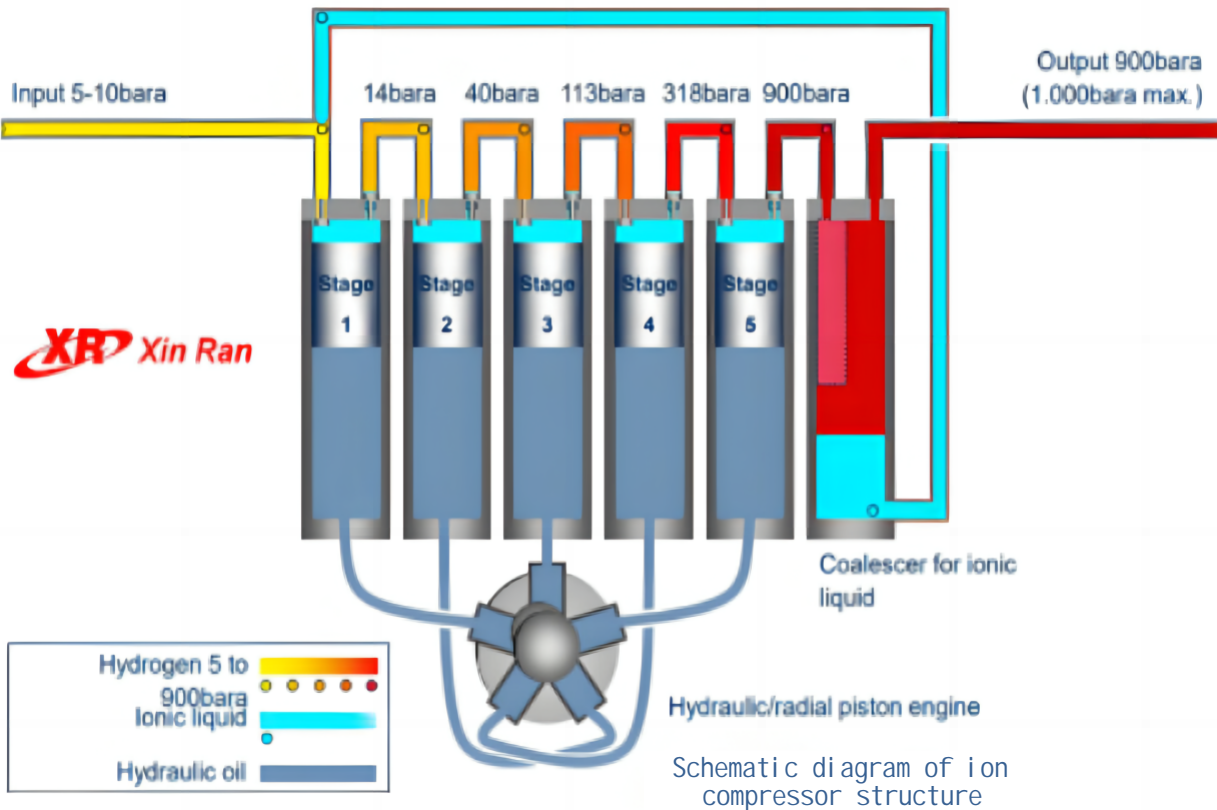


Xinran Hydrogen refueling station equipment (hydrogen supply mode: gaseous) Dynamic simulation of ion compressor



- The main components of hydrogen ion compressor include:
- several cylinders for compressing hydrogen;
 - a multi-head high-pressure liquid pump;
 - liquid reversing and pipeline system;
 - ion liquid separation and recovery device.

Its core technical feature lies in the use of a special physical and chemical properties of liquid (ionic liquid) into the cylinder



Xi nran Hydrogen refueling station equipment (hydrogen supply mode: gaseous)

Ion liquid characteristics and ion compressor characteristics

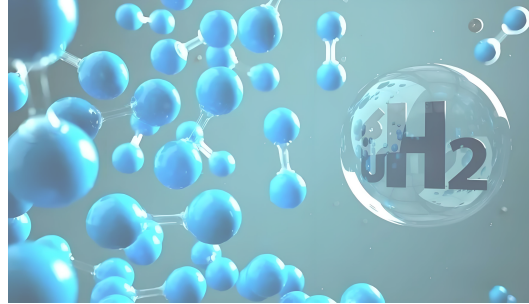


ionic liquid

Insoluble hydrogen gas

Heat stable, non-flammable

High specific heat capacity



characteristic	explain
safety	Hydrogen has no risk of contamination.
energy conservation	Energy efficiency is improved and energy consumption is reduced by 25%.
flexible	Low inlet pressure, can meet different application scenarios.
delicacy	Compact design, small footprint.
reliable	Less moving parts, less wear.

