



HiFluid, located in Jinan, China, high-tech enterprise, science and technology-based small and medium-sized enterprise, has been focusing on providing safe, stable, intelligent, and customized solutions for high pressure fluid applications such as Hydrogen Compression, High Pressure Test Bench, High Pressure Processing, Hot Isostatic Pressing etc. since its establishment in 2019. Leveraging its core competencies in design, equipment, and quality assurance, the company is committed to helping customers minimize lifecycle operational costs through energy-saving technologies and extended maintenance intervals.

The company has obtained ISO9001 quality management system, ISO14001 environmental management system, and ISO45001 occupational health and safety management system certifications. We strive to differentiate ourselves from traditional suppliers by embodying the role of consultants and solution providers with our expertise and craftsmanship.

All greatness comes from a brave beginning.

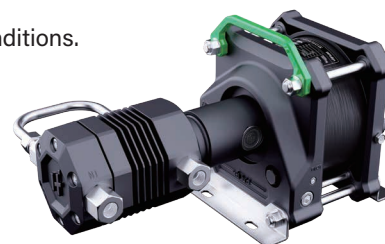
HFR Series of Air Driven Refrigerant Pumps

Product Introduction

HFR series of air driven refrigerant pumps is suitable for various refrigerant media and conditions, offering high safety, media purity, low operating cost, portability, continuous start-stop capability, and easy maintenance.

Product Features

- **Clean Medium** — The special design between the air drive and gas sections, along with oil-free compression at the gas section, effectively prevents medium contamination.
- **Cool Operation** — No heat is generated during liquid refrigerant transmission, with slight heating during gaseous refrigerant transmission.
- **Safety** — Air driven, no electrical sparks are generated.
- **Flexibility** — Flexible to add instruments and hoses according to different operating conditions.
- **Portability** — Lightweight and easy to install.



Application Conditions

Suitable for the transfer, filling, pressurization, and recovery of various refrigerants.

Product Specifications

| Type | Pressure Ratio | Displacement /Cycle (ml) | Max. Outlet Pressure | | Connection Interface | | | Dimensions(mm) | | | Weight (kg) |
|-------|----------------|--------------------------|----------------------|-----|----------------------|--------------|---------------|----------------|-----|-----|-------------|
| | | | bar | psi | Drive Inlet | Medium Inlet | Medium Outlet | A | B | C | |
| HFR15 | 1:4.6 | 140 | 37 | 536 | NPT1/2 | NPT1/2 | NPT3/8 | 436 | 155 | 188 | 6 |
| HFR25 | 1:5.5 | 160 | 44 | 638 | NPT1/2 | NPT3/8 | NPT3/8 | 418 | 272 | 230 | 12.5 |

1MPa=10bar

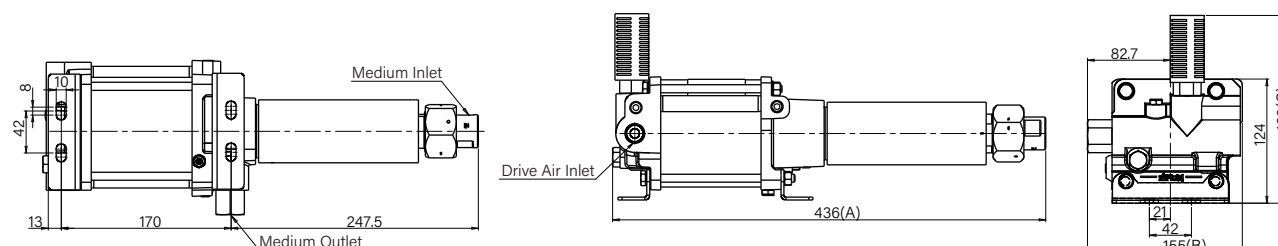
Applicable Medium

R12, R22, R23, R32, R123, R134a, R290, R404, R410a, R600a, R1234YF etc.

For special media, please contact HiFluid sales personnel for consultation.



HFR15 Installation Dimensions



HFR25 Installation Dimensions

