



# HONGBAOSHI VACUUM EQUIPMENT FACTORY

Exploration, Innovation,  
Pursuit of Excellence

## WENLING HONGBAOSHI VACUUM EQUIPMENT FACTORY

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 **HAMER**

LOREM IPSUM DOLOR SIT AMET, CONSECTETUR ADIPISCING ELIT, SED DO EIUSMOD  
TEMPOR INCIDIDUNT UT LABORE ET DOLORE MAGNA ALIQUA. UT ENIM AD MINIM  
VENIAM, QUIS NOSTRUD EXERCITATION ULLAMCO LABORIS NISI UT ALIQUIP EX EA

科技为您创造价值

# Hongbaoshi Vacuum Pump

Wenling Hongbaoshi Vacuum Equipment Factory is an advanced enterprise which integrates vacuum pump research, manufacture and sales as a whole beyond the industry; HBS is a largest manufacturer in the domestic medical, printing and package industries with the production capacity of 200,000pcs annually, HBS produces rotary-vane vacuum pump, piston oil free pump, scroll oil free pump and all kinds of specialized vacuum pumps, HBS also can research the most professional vacuum pump according to the customer's different demands in different industries.



Service  
scope



Global  
service



Quality  
assurance



Innovative  
product



Professional  
manufacture

Hongbaoshi Vacuum Equipment Factory



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# COMPANY INTRODUCTION

Zhejiang Wenling Hongbaoshi Vacuum Equipment HAMER Factory is located in Taizhou, Zhejiang Province, which is a beautiful new developing seaside city with convenient transportation. HAMER is a modern enterprise engaged in research, development, manufacture and sales. With "Customers First" as the principle, our factory always focuses on innovation and has already developed a vacuum product line that can meet the needs and technological requirements from different industries, customers. Our vacuum pumps are applicable to vacuum refrigeration, printing mechanism, refrigerant recovery device, tea packaging, air conditioner, automobile repairation, gas detection, photoengraving, medicine equipment and so on.

HAMER has established a good business reputation in the market, and our service and products have won high praises both at home and abroad. HAMER will still insist to "quality first, customer supreme, competitive price", aiming to establish a good corporate image "keep factory improving with the times".

Looking forward to your cooperation and support, HBS promise the best service, please feel free to contact us for further communication.







# CERTIFICATE



AMER  
VACUUM PUMP



# Rs Series Vacuum Pump RS-2



## Single Stage

| Model                 | RS-1         |              | RS-1.5       |              | RS-2         |              | RS-3         |              | RS-4         |              | RS-6         |              |    |
|-----------------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|----|
|                       | 110V<br>60HZ | 220V<br>50HZ | 110V<br>60HZ | 220V<br>50HZ | 110V<br>60HZ | 220V<br>50HZ | 110V<br>60HZ | 220V<br>50HZ | 110V<br>60HZ | 220V<br>50HZ | 110V<br>60HZ | 220V<br>50HZ |    |
| Free Air Displacement | CFM          | 3            | 2.5          | 4            | 3.5          | 5            | 4.5          | 7            | 6            | 9            | 8            | 12           | 10 |
| Ultimate Vacuum       | PA           | 5            |              | 5            |              | 5            |              | 5            |              | 5            |              | 5            |    |
|                       | Mbar         | 0.05         |              | 0.05         |              | 0.05         |              | 0.05         |              | 0.05         |              | 0.05         |    |
| Rotating Speed        | 1720         | 1440         | 1720         | 1440         | 1720         | 1440         | 1720         | 1440         | 1720         | 1440         | 1720         | 1440         |    |
| Power (HP)            | 1/4          |              | 1/3          |              | 1/3          |              | 1/2          |              | 3/4          |              | 1            |              |    |
| Oil Capacity (ML)     | 220          |              | 225          |              | 250          |              | 250          |              | 300          |              | 450          |              |    |
| Dimension (mm)        | 260*110*240  |              | 275*115*240  |              | 290*120*240  |              | 310*125*255  |              | 360*135*270  |              | 430*142*280  |              |    |
| Weight (KG)           | 7            |              | 7.5          |              | 8.5          |              | 12           |              | 19           |              | 24           |              |    |

## Dual Stage

| Model                     | 2RS-0.5               |              | 2RS-1                 |              | 2RS-1.5               |              | 2RS-2                 |              | 2RS-3                 |              | 2RS-4                 |              | 2RS-5                 |              |
|---------------------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|-----------------------|--------------|
|                           | 110V<br>60HZ          | 220V<br>50HZ | 110V<br>60HZ          | 220V<br>50HZ | 110V<br>60HZ          | 220V<br>50HZ | 110V<br>60HZ          | 220V<br>50HZ | 110V<br>60HZ          | 220V<br>50HZ | 110V<br>60HZ          | 220V<br>50HZ | 110V<br>60HZ          | 220V<br>50HZ |
| Free Air Displacement     | 2                     | 1.5          | 3                     | 2.5          | 4                     | 3.5          | 5                     | 4.5          | 7                     | 6            | 12                    | 10           | 14                    | 12           |
| Ultimate Vacuum           | 3*10 <sup>-1</sup> Pa |              | 3*10 <sup>-1</sup> Pa |              | 3*10 <sup>-1</sup> Pa |              | 3*10 <sup>-1</sup> Pa |              | 3*10 <sup>-1</sup> Pa |              | 3*10 <sup>-1</sup> Pa |              | 3*10 <sup>-1</sup> Pa |              |
| Rotating Speed Power (HP) | 3500                  | 2800         | 3500                  | 2800         | 3500                  | 2800         | 3500                  | 2800         | 3500                  | 2800         | 3500                  | 2800         | 3500                  | 2800         |
|                           | 1/4                   |              | 1/3                   |              | 1/3                   |              | 1/2                   |              | 3/4                   |              | 1                     |              | 1                     |              |
| Oil Capacity (ML)         | 250                   |              | 250                   |              | 330                   |              | 330                   |              | 370                   |              | 550                   |              | 550                   |              |
| Dimension (mm)            | 280*110*215           |              | 280*110*215           |              | 290*115*220           |              | 290*115*220           |              | 360*135*275           |              | 430*142*280           |              | 430*142*280           |              |
| Weight (KG)               | 7                     |              | 7.5                   |              | 8                     |              | 9                     |              | 11                    |              | 17                    |              | 18                    |              |

# Rs Series Vacuum Pump HP-1



## TECHNICAL SPECIFICATIONS

|                       |           |
|-----------------------|-----------|
| Model                 | HP-1      |
| Free Air Displacement | 2.5CFM    |
| Ultimate Vacuum       | 5PA       |
| Voltage               | 220V/50HZ |
| Power                 | 1/6HP     |





# New Refrigerant Series Vacuum Pump

Suit for R410A,R407C,R134a,  
R12,R22 refrigerant



High accuracy  
vacuum gauge  
shows system  
pressure



Forced cooling  
system



Big sight glass  
for monitoring  
oil level

# R32 Series Vacuum Pump

Suit for R32 1234yf refrigerant



High accuracy  
vacuum gauge  
shows system  
pressure



Forced cooling  
system



Big sight glass  
for monitoring  
oil level

| Model                 | RS-1-SV     |      | RS-2-SV     |      | RS-4-SV     |      |
|-----------------------|-------------|------|-------------|------|-------------|------|
| Voltage               | 110V        | 220V | 110V        | 220V | 110V        | 220V |
|                       | 60HZ        | 50HZ | 60HZ        | 50HZ | 60HZ        | 50HZ |
| Free Air Displacement | CFM         |      |             |      |             |      |
|                       |             | 3    | 2.5         | 5    | 4.5         | 9    |
| Ultimate Vacuum       | PA          | 5    | 5           | 5    | 5           | 5    |
|                       | Mbar        | 0.05 | 0.05        | 0.05 | 0.05        | 0.05 |
| Rotating Speed        | 1720        | 1440 | 1720        | 1440 | 1720        | 1440 |
| Power (HP)            | 1/4         |      | 1/3         |      | 3/4         |      |
| Oil Capacity (ML)     | 220         |      | 250         |      | 300         |      |
| Dimension (mm)        | 260*110*240 |      | 290*120*240 |      | 360*135*270 |      |
| Weight (KG)           | 7           |      | 8.5         |      | 19          |      |

| Model                 | RS-1-R32    |      | RS-2-R32    |      | RS-4-R32    |      |
|-----------------------|-------------|------|-------------|------|-------------|------|
| Voltage               | 110V        | 220V | 110V        | 220V | 110V        | 220V |
|                       | 60HZ        | 50HZ | 60HZ        | 50HZ | 60HZ        | 50HZ |
| Free Air Displacement | CFM         |      |             |      |             |      |
|                       |             | 3    | 2.5         | 5    | 4.5         | 9    |
| Ultimate Vacuum       | PA          | 5    | 5           | 5    | 5           | 5    |
|                       | Mbar        | 0.05 | 0.05        | 0.05 | 0.05        | 0.05 |
| Rotating Speed        | 1720        | 1440 | 1720        | 1440 | 1720        | 1440 |
| Power (HP)            | 1/4         |      | 1/3         |      | 3/4         |      |
| Oil Capacity (ML)     | 220         |      | 250         |      | 300         |      |
| Dimension (mm)        | 260*110*240 |      | 290*120*240 |      | 360*135*270 |      |
| Weight (KG)           | 7           |      | 8.5         |      | 19          |      |

| Model                 | 2RS-1-SV              |      | 2RS-2-SV              |      | 2RS-4-SV              |      |
|-----------------------|-----------------------|------|-----------------------|------|-----------------------|------|
| Voltage               | 110V                  | 220V | 110V                  | 220V | 110V                  | 220V |
|                       | 60HZ                  | 50HZ | 60HZ                  | 50HZ | 60HZ                  | 50HZ |
| Free Air Displacement | CFM                   |      |                       |      |                       |      |
|                       |                       | 3    | 2.5                   | 5    | 4.5                   | 12   |
| Ultimate Vacuum       | 3*10 <sup>-1</sup> Pa |      | 3*10 <sup>-1</sup> Pa |      | 3*10 <sup>-1</sup> Pa |      |
| Rotating Speed        | 3500                  | 2800 | 3500                  | 2800 | 3500                  | 2800 |
| Power (HP)            | 1/4                   |      | 1/3                   |      | 3/4                   |      |
| Oil Capacity (ML)     | 250                   |      | 330                   |      | 500                   |      |
| Dimension (mm)        | 280*110*215           |      | 290*115*220           |      | 430*142*280           |      |
| Weight (KG)           | 7.5                   |      | 9                     |      | 17                    |      |

| Model                 | 2RS-1-R32             |      | 2RS-2-R32             |      | 2RS-4-R32             |      |
|-----------------------|-----------------------|------|-----------------------|------|-----------------------|------|
| Voltage               | 110V                  | 220V | 110V                  | 220V | 110V                  | 220V |
|                       | 60HZ                  | 50HZ | 60HZ                  | 50HZ | 60HZ                  | 50HZ |
| Free Air Displacement | CFM                   |      |                       |      |                       |      |
|                       |                       | 3    | 2.5                   | 5    | 4.5                   | 12   |
| Ultimate Vacuum       | 3*10 <sup>-1</sup> Pa |      | 3*10 <sup>-1</sup> Pa |      | 3*10 <sup>-1</sup> Pa |      |
| Rotating Speed        | 3500                  | 2800 | 3500                  | 2800 | 3500                  | 2800 |
| Power (HP)            | 1/4                   |      | 1/3                   |      | 3/4                   |      |
| Oil Capacity (ML)     | 250                   |      | 330                   |      | 500                   |      |
| Dimension (mm)        | 280*110*215           |      | 290*115*220           |      | 430*142*280           |      |
| Weight (KG)           | 7.5                   |      | 9                     |      | 17                    |      |

# Special Vacuum Pump Series For Food Packing



## TECHNICAL SPECIFICATIONS

|                       |                      |                   |             |
|-----------------------|----------------------|-------------------|-------------|
| Model                 | RS-1.8               | Power (HP)        | 1/3         |
| Voltage               | 110V:60HZ 220V: 50HZ | Oil Capacity (ML) | 250         |
| Free Air Displacement | CFM:5 CFM:4.5        | Dimension (mm)    | 290*120*240 |
| Ultimate Vacuum       | PA: 5 Mbar: 0.05     | Weight (KG)       | 8.5         |
| Rotating Speed        | 1720 1440            |                   |             |



# Special Vacuum Pump Series For Food Packing



## TECHNICAL SPECIFICATIONS

|                       |                      |                   |             |
|-----------------------|----------------------|-------------------|-------------|
| Model                 | RS-4                 | Power (HP)        | 3/4         |
| Voltage               | 110V:60HZ 220V: 50HZ | Oil Capacity (ML) | 300         |
| Free Air Displacement | CFM:9 CFM:8          | Dimension (mm)    | 360*135*270 |
| Ultimate Vacuum       | PA: 5 Mbar: 0.05     | Weight (KG)       | 19          |
| Rotating Speed        | 1720 1440            |                   |             |





## 2XZ Series Vacuum Pump



This series of pumps are elementary equipment for pumping air from sealed vessels. It can be used alone, also can be used as the fore pump, process pump or titanium pump of booster pump, diffusion pump, and molecular pump. It is widely used in aerospace, semiconductor, coating, food packaging, drying machines, refrigeration equipment, scientific research, medical treatment, electronics, chemicals, medicine and laboratory of universities and colleges.

### TECHNICAL SPECIFICATIONS

| Model                       | 2XZ-1              | 2XZ-2              | 2XZ-4              | 2XZ-6              | 2XZ-8              | 2XZ-15             |
|-----------------------------|--------------------|--------------------|--------------------|--------------------|--------------------|--------------------|
| Free Air Displacement (L/S) | 1                  | 2                  | 4                  | 6                  | 8                  | 15                 |
| Ultimate Vacuum (pa)        | $6 \times 10^{-2}$ | $6 \times 10^{-2}$ | $6 \times 10^{-2}$ | $6 \times 10^{-2}$ | $6 \times 10^{-2}$ | $6 \times 10^{-2}$ |
| Rotating Speed (RPM)        | 1400               | 1400               | 1400               | 1400               | 1400               | 1400               |
| Power (KW)                  | 0.25               | 0.37               | 0.55               | 0.75               | 1.1                | 1.5                |
| Oil Capacity (L)            | 0.7                | 1                  | 1.2                | 2                  | 3                  | 4                  |
| Dimension (mm)              | 469*168*260        | 514*168*282        | 565*168*282        | 565*200*342        | 650*240*430        | 700*240*430        |
| Weight (kg)                 | 17                 | 22                 | 24                 | 50                 | 60                 | 75                 |

## SV Series Rotary Vane Vacuum Pump



silence



Power



Efficient



mass  
flow

### Advantages

Operation ranges from atmospheric pressure to ultimate pressure; Low noise level; Low vibrations; Exhaust gas free of oil mists; Protection of the Environment; Efficient air cooling (standard); Low space requirement, easy to install; Easy maintenance; Compact design

### Applications

It was widely used for vacuum packaging, drying, distillation, plastics and so on.

### TECHNICAL SPECIFICATIONS

| Model  | Free Air Displacement (m <sup>3</sup> /h) | Ultimate Vacuum (Pa) | Power (KW) | Inlet Diameter (inch) | Rotating Speed (rpm) | Oil Capacity (L) | Weight (kg) | Dimension (mm) |
|--------|---|----------------------|------------|-----------------------|----------------------|------------------|-------------|----------------|
| SV-010 | 10  | 80                   | 0.37/0.55  | G1/2                  | 1400                 | 0.5              | 16          | 410*280*210    |
| SV-020 | 20  | 80                   | 0.75/0.9   | G1/2                  | 2800                 | 0.5              | 18          | 410*280*210    |
| SV-040 | 40  | 50                   | 1.1        | G1 1/4                | 1400                 | 2                | 40/58       | 630*290*260    |
| SV-063 | 63  | 50                   | 1.5        | G1 1/4                | 1400                 | 2                | 45          | 660*300*270    |
| SV-100 | 100                                       | 50                   | 2.2        | G1 1/4                | 1420                 | 4                | 115         | 770*480*300    |
| SV-160 | 160                                       | 50                   | 4          | G2                    | 1440                 | 9                | 145         | 840*540*410    |
| SV-250 | 250                                       | 50                   | 5.5/7.5    | G2                    | 1440                 | 9                | 200         | 1030*540*410   |
| SV-300 | 300                                       | 50                   | 7.5        | G2                    | 1400                 | 9                | 230         | 1080*540*410   |

# AC Power Supply Plugs

| Item | Description       |
|------|-------------------|
| C01  | Israel plug       |
| C02  | China plug        |
| C03  | Australia plug    |
| C04  | South Africa plug |
| C05  | Europe plug       |
| C06  | America plug      |
| C07  | Britain plug      |
| C08  | Japan plug        |
| C09  | Italy plug        |
| C10  | Argentina plug    |
| C11  | Brazil plug       |



# Intake Ports Adapters



# To Select A Correct Vacuum Pump

## Flow Rate

The flow rate of vacuum pump is usually represented by L/S, which means the working time has a direct relationship with the flow rate. It's required to select VALUE high reliable vacuum pumps which matches the equipment.

| Flow Rate            | 1-2L/S                     | 3-4L/S   | POWER                            |
|----------------------|----------------------------|--|----------------------------------|
| Applicable Equipment | Household refrigerator     | Central air-conditioning<br>Bus air-conditioning<br>Large refrigerated warehouse | Central air-conditioning         |
|                      | Household air-conditioning | Large household air-conditioning   | Large household air-conditioning |
|                      | Car air-conditioning       | Bus air-conditioning<br>Large refrigerated warehouse                             |                                  |

## Ultimate vacuum

Ultimate vacuum means the capacity of removing moisture. Pressure unit with Pa usually. The smaller figure, the higher ultimate vacuum achieves. New refrigerants central air-conditioning, Freezing and refrigeration equipment with low evaporator temperature need to use VALUE double stage vacuum pump.

| Flow Rate            | 1-2L/S                     | 3-4L/S                       |
|----------------------|----------------------------|------------------------------|
| Ultimate vacuum      | 2Pa                        | 2x10-1Pa                     |
| Applicable Equipment | Household air-conditioning | central air-conditioning     |
|                      | Household air-conditioning | Large refrigerated warehouse |
|                      | Refrigerator               |                              |

| Adapt for old refrigerant  |  |  | Adapt for old refrigerant (including R22, R410A, etc) |  | Adapt for old refrigerant (including R32, 1234yf)                        |
|--|--|--|---|--|--|
| Household air-conditioning<br>refrigerator<br>Car air-conditioning | Large household air-conditioning<br>Bus air-conditioning | Central air-conditioning<br>Large refrigerated warehouse | Household air-conditioning                            | Central air-conditioning<br>Large household air-conditioning | Central air-conditioning<br>Large household air-conditioning             |
|  |  |  |   |  | 2RS-1-R32(1L/S)<br>2RS-2-R32(2L/S)<br>2RS-3-R32(3L/S)<br>2RS-4-R32(4L/S) |
|  |  |  |   |  |  |



# HP-SERIES VACUUM PUMP



Hongbaoshi Vacuum  
Equipment Factory

## HP-2000V Series Vacuum Pump



Frontage



Profile

### TECHNICAL SPECIFICATIONS

|                                     |  |
|-------------------------------------|--|
| Model                               | HP-2000V                                     |
| Voltage                             | 220V/50Hz_15uF                               |
| Power                               | 550W   |
| Free air Displacement               | 6CFM   |
| Ultimate Pressure                   | -700mmHg(-92Kpa)                             |
| Noise                               | ≤57dB(A)                                     |
| Temp Tange                          | 5-40°C                                       |
| Insulation grade                    | B  |
| Cold insulation resistance (normal) | ≥100MΩ                                       |
| Dielectric strength                 | 1600V/50Hz 1minno breakdown                  |
| Thermal protector                   | automatic reset130±5°C                       |
| Inlet&Outletport                    | 1/4-19PT                                     |
| Installation dimension              | L203*W112mm(Mounting hole $\varnothing$ 7mm) |
| Dimension                           | L244*W128*H210mm                             |
| Reset Pressure                      | 0KPa   |
| Weight                              | 9.2Kg  |





# Hp-300V Series Vacuum Pump



Frontage



Profile



## TECHNICAL SPECIFICATIONS

|                                     |                               |
|-------------------------------------|-------------------------------|
| Model                               | HP-300V                       |
| Voltage                             | 220V/50Hz                     |
| Power                               | 200W                          |
| Free air Displacement               | 2.4m <sup>3</sup> /h(40L/min) |
| Ultimate Pressure                   | -650mmHg(-86Kpa)              |
| Noise                               | ≤47dB(A)                      |
| Temp Tange                          | 5-40°C                        |
| Insulation grade                    | B                             |
| Cold insulation resistance (normal) | ≥100MΩ                        |
| Dielectric strength                 | 1600V/50Hz 1min no breakdown  |
| Thermal protector                   | automatic reset 130±5°C       |
| Inlet&Outletport                    | 1/4-18NPT                     |
| Installation dimension              | L150*W112mm(Mounting hole M6) |
| Dimension                           | L188*W128*H186.3mm            |
| Reset Pressure                      | 0KPa                          |
| Weight                              | 5.5Kg                         |

# HP-FB001 Series Vacuum Pump



Frontage



Profile



## TECHNICAL SPECIFICATIONS

|                                     |                                  |
|-------------------------------------|----------------------------------|
| Model                               | HP-FB001                         |
| Voltage                             | 220V/50Hz                        |
| Power                               | 750W                             |
| Free air Displacement               | 8CFM                             |
| Ultimate Pressure                   | -700mmHg(-92Kpa)                 |
| Noise                               | ≤57dB(A)                         |
| Temp Tange                          | 5-40°C                           |
| Insulation grade                    | B                                |
| Cold insulation resistance (normal) | ≥100MΩ                           |
| Dielectric strength                 | 1600V/50Hz 1minno breakdown      |
| Thermal protector                   | automatic reset 130±5°C          |
| Inlet&Outletport                    | 1/4-18NPT                        |
| Installation dimension              | L220*W130mm(Mounting hole ∅ 7mm) |
| Dimension                           | L260*W135*H230mm                 |
| Reset Pressure                      | 0KPa                             |
| Weight                              | 16Kg                             |

# REFRIGERANT TOOLS



## Accurate Manifold Gauge HBS-BZ-1



1. Special material sheath with anti-collision performance



2. High precision pressure gauge with class 1.6 accuracy



3.  $\Phi$ 12mm high-strength rubber tube to ensure high reliability

| Model    | Refrigerants scale | Gauge Diameter | Pressure Scale        | Hose                     | Length | Package   |
|----------|--------------------|----------------|-----------------------|--------------------------|--------|-----------|
| HBS-BZ-1 | R410A              | $\Phi$ 68mm    | 0-800psi<br>30-500psi | Red&Blue<br>&Yellow:1/4" | 150cm  | Blow case |



### HBS-BZ-5

|                    |                      |
|--------------------|----------------------|
| Model              | HBS-BZ-5             |
| Refrigerants scale | R404A,R22,R410A      |
| Gauge Diameter     | Φ68mm                |
| Pressure Scale     | 0-800psi 30-500psi   |
| Hose               | Red&Blue&Yellow:1/4" |
| Length             | 150cm                |
| Package            | Blow case            |



### HBS-BZ-6

|                    |                      |
|--------------------|----------------------|
| Model              | HBS-BZ-6             |
| Refrigerants scale | R404A,R22,R410A      |
| Gauge Diameter     | Φ68mm                |
| Pressure Scale     | 0-800psi 30-500psi   |
| Hose               | Red&Blue&Yellow:1/4" |
| Length             | 150cm                |
| Package            | Blow case            |



### HBS-BZ-2

|                    |                      |
|--------------------|----------------------|
| Model              | HBS-BZ-2             |
| Refrigerants scale | R22,R12,R134a,R502   |
| Gauge Diameter     | Φ68mm                |
| Pressure Scale     | 0-800psi 30-500psi   |
| Hose               | Red&Blue&Yellow:1/4" |
| Length             | 150cm                |
| Package            | Blow case            |



### HBS-BZ-3

|                    |                      |
|--------------------|----------------------|
| Model              | HBS-BZ-3             |
| Refrigerants scale | R22,R12,R134a,R502   |
| Gauge Diameter     | Φ68mm                |
| Pressure Scale     | 0-800psi 30-500psi   |
| Hose               | Red&Blue&Yellow:1/4" |
| Length             | 150cm                |
| Package            | Blow case            |



### HBS-BZ-4

|                    |                      |
|--------------------|----------------------|
| Model              | HBS-BZ-4             |
| Refrigerants scale | R22,R12,R134a,R502   |
| Gauge Diameter     | Φ68mm                |
| Pressure Scale     | 0-800psi 30-500psi   |
| Hose               | Red&Blue&Yellow:1/4" |
| Length             | 150cm                |
| Package            | Blow case            |



# Refrigerant Charging Scale HBS-DC001

is an improved refrigerant scale, hard plastic wrapped controller, more comfortable, protect the controller better and good looks, build-in large flow high performance solenoid valve large flow and more stable.



| ITEM                  | SPECIFICATION               |
|-----------------------|-----------------------------|
| CAPACITY              | KGS/LBS/OZ                  |
| UNITS                 | 100 KGS/220 LBS/3500 OZ.    |
| ACCURACY              | ±0.5% OF READING +/-1 LEAST |
| RESOLUTION            | 0.25OZ/5G                   |
| PLATFORM SIZE         | 8-3/4"x8-3/4"(223mmx223mm)  |
| POWER                 | 5x1.5V                      |
| BATTERY LIFE          | 60 HOURS CONTINUOUS USE     |
| OPERATION TEMPERATURE | 10°C-50°C (50F-122F)        |
| WEIGHT                | 6.03LB(2.74KG)              |

# New Type Eccentric Cone Type Flaring Tools

For 3/16", 1/4", 5/16", 3/8", 1/2" 5/8"  
5mm, 6mm, 8mm, 10mm, 16mm  
Packing in a carrying plastic case



Common extrusion  
type flaring tool

Tube cutters

New type eccentric  
cone type flaring tools

# Refrigerant Reclaiming Device



## TECHNICAL SPECIFICATIONS

| Model                                     | HBS-1A                   | HBS-2A    |
|---|--------------------------|-----------|
| Power                                     | 1/2HP                    | 1HP       |
| N.W.                                      | 14.5Kg                   | 15Kg      |
| Voltage                                   | 220V/50HZ                | 220V/50HZ |
| Rotating Speed                            | 1440r/min                | 1440r/min |
| High pressure to cut off the power supply | 38.5bar/3850kpa(558psi)  |           |
| Dimension                                 | 460mm(L)*226(W)*345mm(H) |           |

- Oil-less compressor, recovers all commonly used CFC and HCFC refrigerants including R410A
- High and low pressure protection & 80% over-filling protection(selective)
- Twin pistons compressor, faster recovery
- Oil separator device purification and recycling function
- Self-dearing valve

# Lifting Jack



Name: 3 IN 1 CAR REPAIR TOOL KIT  
Model: HBSTZ01



Name: ELECTRIC HYDRAULIC JACK  
Model: HBS0370



Name: ELECTRIC IMPACT WRENCH  
Model: HBSEW01



Name: TWO FUNCTIONS OF JACK  
Model: HBSA370