HONGSEN

HONGSEN MACHINERY

Escort For Safe Refrigeration

HVAC&R SERVICE TOOLS



HVAC&R SERVICE TOOLS

HONGSEN

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CONTENTS

11-38
Manifold Gauge Series

39-42
Quick Coupler Series

43-52
Charging Valve Series

53-56
Other Tools

57-58
Other Fittings

HONGSEN

ESCORT FOR SAFE REFRIGERATION

HONGSEN

ABOUT HONGSEN

Hongsen people have the spirit of craftsmanship, with the help of modern high-end equipment and technology, do every product well.

Zhejiang Hongsen Machinery Co., Ltd was founded in 1992, which devotes itself in the R&D and manufacture of various valves in refrigeration and air conditioning system. In the past tens years, Hongsen Machinery staffs persistently adhere to open up, keep forging ahead and never rest content with their achievements. They insist on new and high-tech as the guidance in the development and pursue the sustainable development road with high productivity and quality efficiency.

Hongsen Machinery covers a land area of 50,000 square meters. There are over 400 staffs and workers including a specialty team of 30 technicians. Hongsen Machinery has a close cooperation with the professors and experts in Zhejiang University, Shanghai Jiao Tong University and Xian Jiao Tong University and several senior engineers of leading domestic OEMs are invited as the consultants of the company. A number of technical talents are trained in production, development and quality control and grow up in the company. At present, Hongsen Machinery is capable to manufacture multiple categories of refrigeration and A/C accessory parts such as electric expansion valve series, motorized regulating valve series,solenoid valve series, ball valve series, sight glass series,expansion valve series and shut off valve series. Hongsen Machinery becomes one company integrating R&D, production and marketing into one.

REFRIGERATION & AIR PARTS SUPPLIER
HONGSEN



ELECTRIC EXPANSION VALVE PRODUCTION LINE

Domestic leading technology, highly automated production

SEMI-AUTOMATIC INFRARED ENERGY-SAVING OVEN

Energy efficient, convenient operation





FINISHING CENTER

High-precision machining center, CNC numerical control





HELIUM TESTING MACHINE

Accurate and efficient, environmentally safe

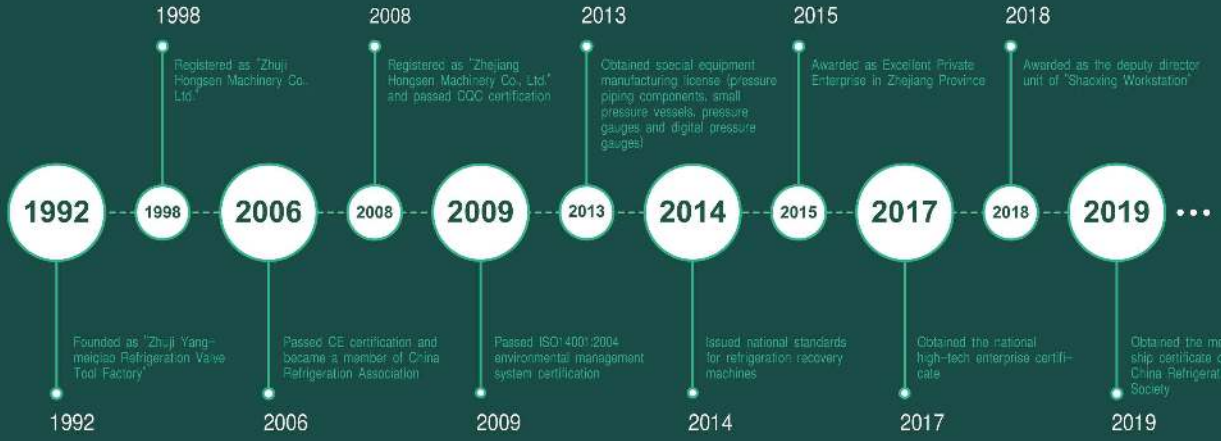
HELIUM TESTING MACHINE

Automatic leak detection alarm, high detection accuracy

FOCUS ON REFRIGERATION FOR 30 YEARS

Hongsen has three production divisions: A/C tooling, Refrigeration Control parts and Environmental equipment, with the support more than 300 sets of inspecting equipments and advanced CNC equipments.

DEVELOPMENT HISTORY



GLOBAL BRAND CHANNELS



Hongsen product is well sold in domestic market, like Guang zhou, Shanghai, Beijing, etc...
exported mainly to Europe, USA, Australia. With its good quality, Hongsen has built long-term cooperation with famous companies in refrigeration or A/C.

MANIFOLD GAUGE SET



MANIFOLD GAUGE SET

HS-DVS60/HS-D480









Tool kit
High-end plastic case packaging
Convenient storage, easy carry

Operation demonstration
90° on-off control
Easy and convenient



Product Characteristics

Digital gauge
- High precision digital display
- Simple operation

Protective housing
- Anti-collision design

Knob
- Ball valve design, easier operation and more precise charging
- Gentle and comfortable knob

Hook
- Foldable hook
- Easy storage and hiring

Liquid indicator
- Explosion-proof liquid indicator

Model selection



HS-DVS60-101A	HS-D480AL	HS-D480AH	HS-DS800

Model selection

Model	Pressure gauge				Refrigerant charging hose	Accessories		
	Refrigerant	Diameter	Pressure unit	Temperature		Quick coupler	Package	Other
HS-DVS60-101A-R32	R32 R454B R410A R134a R407C R404A R448A R449A R507 R290a	3"	psi/bar/MPa/kPa	°C/°F	60" 820-4000psi	/	Plastic case	Charging control valve *2 3/16SAE*1 5/16SAE
HS-DVS60-101A-R1234yf	R32 R454B R410A R134a R407C R404A R448A R449A R507 R1234yf R290a	3"	psi/bar/MPa/kPa	°C/°F	60" 820-4000psi	/	Plastic case	Charging control valve *2 3/16SAE*1 5/16SAE

*Charging hoses 3 pcs(red,yellow,blue), all 1/4SAE connection *Thread dual adaptor connector 1/4SAE

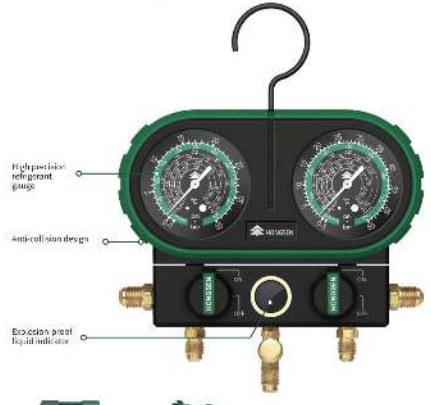
Model selection

Model	Pressure gauge				Refrigerant charging hose	Accessories		
	Refrigerant	Diameter	Pressure unit	Temperature		Quick coupler	Package	Other
HS-D480AL-R32	R32 R454B R410A R134a R407C R404A R448A R449A R507 R290a	3"	psi/bar/MPa/kPa	°C/°F	60" 820-4000psi	/	Plastic case	Manifold valve *1 Refrigerant tank *1
HS-D480AL-R1234yf	R32 R454B R410A R134a R407C R404A R448A R449A R507 R1234yf R290a	3"	psi/bar/MPa/kPa	°C/°F	60" 820-4000psi	/	Plastic case	Manifold valve *1 Refrigerant tank *1
HS-D480AH-R32	R32 R454B R410A R134a R407C R404A R448A R449A R507 R290a	3"	psi/bar/MPa/kPa	°C/°F	72" 820-4000psi	/	Plastic case	Manifold valve *1 Refrigerant tank *1
HS-D480AH-R1234yf	R32 R454B R410A R134a R407C R404A R448A R449A R507 R1234yf R290a	3"	psi/bar/MPa/kPa	°C/°F	72" 820-4000psi	/	Plastic case	Manifold valve *1 Refrigerant tank *1
HS-D480AL-R6	R32 R454B R410A R134a R407C R404A R448A R449A R507 R600a	3"	psi/bar/MPa/kPa	°C/°F	60" 1800-4000psi	/	Plastic case	Manifold valve *1 Refrigerant tank *1
HS-D480AL-R600	R32 R454B R410A R134a R407C R404A R448A R449A R507 R600a	3"	psi/bar/MPa/kPa	°C/°F	60" 1800-4000psi	/	Plastic case	Manifold valve *1 Refrigerant tank *1
HS-D480AL-R12	R32 R454B R410A R134a R407C R404A R448A R449A R507 R600a	3"	psi/bar/MPa/kPa	°C/°F	72" 1800-4000psi	/	Plastic case	Manifold valve *1 Refrigerant tank *1
HS-DS800	R32 R454B R410A R134a R407C R404A R448A R449A R507 R600a	3"	psi/bar/MPa/kPa	°C/°F	/	/	Paperbox	/

*Charging hoses 3 pcs(red,yellow,blue), all 1/4SAE, with blue valve core, all 1/4SAE connector *Thread dual adaptor connector 1/4SAE

MANIFOLD GAUGE SET

HS-MVS60/HS-M480









Tool kit
High-end plastic case packaging
Convenient storage, easy carry



Operation demonstration
90° on-off control
Easy and convenient

Product Characteristics

Digital gauge
- High precision refrigerant gauge
- Simple operation

Protective housing
- Anti-collision design

Knob
- Ball valve design, easier operation and more precise charging
- Gentle and comfortable knob

Hook
- Foldable hook
- Easy storage and hiding

Liquid indicator
- Explosion-proof liquid indicator

Model selection







HS-MVS60-101A	HS-M480AL	HS-M480AH

Model selection

Model	Pressure gauge				Refrigerant charging hose	Accessories			
	Refrigerant	Diameter	Pressure unit	Temperature		Quick coupler	Screwdriver	Other	Package
HS-MVS60-101A-60	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 1500~4000psi	/	1 pc	R410A adapter *2	Plastic case
HS-MVS60-101A-72	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	72" 1500~4000psi	/	1 pc	R410A adapter *2	Plastic case
HS-MVS60-134-60A	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 1500~4000psi	2 - HS-701A 2 - HS-70L	1 pc	Connector*1, Cartridge valve*2	Plastic case
HS-MVS60-134-72A	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	72" 1500~4000psi	2 - HS-701A 2 - HS-70L	1 pc	Connector*1, Cartridge valve*2	Plastic case

- Charging hoses: 3 pcs(Yellow, blue, red hose), 800 psi working pressure, 4000 psi bursting pressure, 1/4"SAE connection
- Thread of ball valve and valve: 1/4"SAE
- Plastic case packing

Model selection

Model	Pressure gauge				Refrigerant charging hose	Accessories			
	Refrigerant	Diameter	Pressure unit	Temperature		Quick coupler	Screwdriver	Other	Package
HS-M480AH-60	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 1500~4000psi	/	/	R410A adapter *1	Paper box
HS-M480AH-60	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 1500~4000psi	/	/	R410A adapter *1	Paper box
HS-M480AH-72	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	72" 1500~4000psi	/	/	R410A adapter *1	Paper box
HS-M480AL-60	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 1500~4000psi	/	/	R410A adapter *1	Paper box
HS-M480AL-60	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 1500~4000psi	/	/	R410A adapter *1	Paper box
HS-M480AL-72	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	72" 1500~4000psi	/	/	R410A adapter *1	Paper box

- Charging hoses: 3 pcs(Yellow, blue, red hose), with blue pe hose, 1/4"SAE connection
- Thread of ball valve and valve: 1/4"SAE

MANIFOLD GAUGE SET

HS-350A-AD



MANIFOLD GAUGE SET

HS-350A-AD



(With charger, for sustainable power supply)

Model selection

Tool kit

High-end plastic-case packaging

Convenient storage, easy carry





Technical Parameters

Code Number: 1024 **Connector:** 1/4 SAE

Refrigerant: R11/R12/R13/R14/R21/R22/R23/R32/R113/R114/R115/R123/R124/R125/R134a/R135/R136/R218/R245CA/R290/R401A/R401B/R401C/R402A/R402A/R402B/R403A/R403B/R404A/R406A/R407A/R407B/R407C/R408A/R409A/R410A/R500/R502/R503/R507/R508A/R508B/R600/R600a/R717/R744/R1270/R1336mzz(Z)

Temperature Range: -35~122°C

Temperature Accuracy: 1.8°C(3.24°F)

Pressure Range: -0.1~4.2MPa(-14.5~609.2psi Gauge Pressure)

Pressure Accuracy: 1%

Accessaries:

- 1 set of 18"-48"-60"(psi charging hoses(red, yellow, blue)
- 2 sets of temperatures
- 1 pcs oil Charger
- Plastic packing case

产品特点 Model selection

- Ergonomic design soft-grip handle for comfort, allows great hold, easy to carry and operate
- Large, easy-to-read, backlit LCD and dual-color gauges
- High-precision pressure sensor and digital temperature sensor provide the accurate and precise
- Display provides clear, concise information, designed for easy reading and long battery life
- Convert 10 kinds of refrigerant parameter
- Dual channel HVAC measurement, can check out the system's performance
- Multi-mode function can be used in various environments, powered by wire and battery, more flexible
- Different pressure units (MPa, psi, bar, kgf/cm², inHg, °F, °C) can be switched freely to meet your usage
- Touch-free, automatically shuts off to preserve battery life
- The case body is made of high-quality aluminum alloy

MANIFOLD GAUGE SET

HS-B60-R744

R744
CO_2





HS-B60-R744-A



HS-B60-R744-A-QC

Product Characteristics

- Valve body
  Integrated closed valve structure, superior performance
- Handwheel
  Ergonomic aluminum handwheel, comfortable and durable
- Pressure relief structure, manual exhaust
- Super pressure resistance, safe and reliable

Model selection

Model	Pressure gauge				Refrigerant charging hose	Accessories			
	Refrigerant	Diameter	Pressure	Temp unit		Quick coupler	Screw driver	Other	Package
HS-B60-R744-A	R744/CO2	80mm(3.15")	psi/Mpa	/	60"/1.5m/3/8"	/	/	/	Aluminum case
HS-B60-R744-A-QC	R744/CO2	80mm(3.15")	psi/Mpa	/	60"/1.5m/3/8"	LHS-HP-AV44 LHS-LP-AV44	/	/	Aluminum case

Model selection



- Double layer steel mesh, ultra-high pressure resistance, burst pressure ≥8700Psi(60MPa)
- Flexible and low loss, safe and reliable
- SUS304 accessories, longer service life
- Single hydraulic mounting, uniform force, strengthened sealing
- Protective spring, effectively protect both ends of the hose

Model selection

Model	Refrigerant	Working pressure	Bursting pressure	Length	Connection
HS-36C-R744	R744/CO2	120bar	480bar	36"	1/4"SAE 1/4"SAE
HS-180-R744				72"	1/4"SAE 1/4"SAE



- Meet the ISO9 standard
- Self locking structure, environmental protection and reliable
- Adjustable opening, precise filling
- One-piece valve body structure, ultra-high pressure resistance, burst pressure ≥8700Psi(60MPa)

选型表 Model selection

名号 Model	制冷剂 Refrigerant	接口 Connection	型号 Type	备注 Remark
LS-B60-R744	R744/CO2	1/4SAE	手动集成阀组 Manual type	With valve
LS-M5-R744		1/4SAE	手动集成阀组 Manual type	Without valve

MANIFOLD GAUGE SET

HS-S36F-1234

R1234yf





Tool kit
High-end plastic-case packaging
Convenient storage, easy carry



Product Characteristics

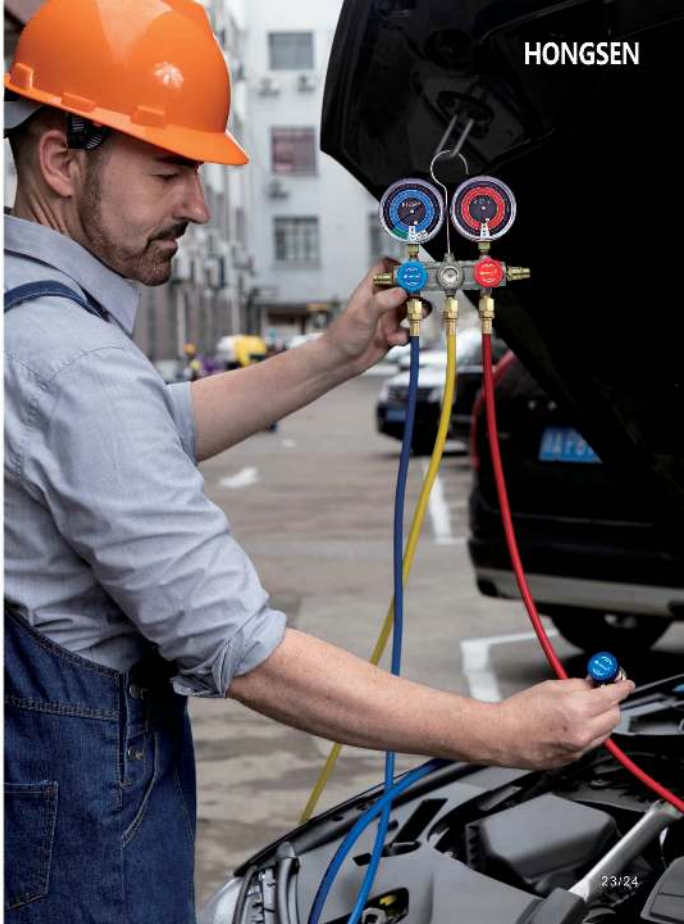
Valve body
- Compact valve body design, convenient and easy to carry

Liquid indicator
- Equipped with liquid indicator

Knob
- Ergonomic and comfortable operation knob

Model selection

Model	Pressure gauge				Refrigerant charging hose	Accessories			
	Refrigerant	Diameter	Pressure unit	Temperature unit		Quick coupler	Screwdriver	Other	Package
HS-S36F-1234	R1234yf	80 mm/3.15"	mpa/bar	°C/°F	60" 150cm/5ft	1 - R134a HP/LP 2 - R-134a - 12V	1pc	One wrench	Plastic case



MANIFOLD GAUGE SET

HS-S60





Tool kit
High-end plastic case packaging
Convenient storage, easy carry



Tool kit
Paper box
economical and practical

Model selection



HS-S60-101



HS-S60-102

Model selection

Model	Pressure gauge				Refrigerant charging hose	Accessories			
	Refrigerant	Diameter	Pressure unit	Temperature unit		Quick coupler	Screw valve	Other	Package
HS-S60-101	R22 R404A R134a R407C	3-1/8"/80mm	psi/bar	°C	60" 1500 3000psi	/	/	/	Paper box
HS-S60-102	R22 R404A R134a R407C	3-1/8"/80mm	psi/bar	°C	60" 1500 3000psi	/	/	/	Paper box
HS-S60-103	R22 R410A	3-1/8"/80mm	psi/bar	°C	60" 800 4000psi	/	/	/	Paper box
HS-S60-104	R410A R22 R407C R134a	3-1/8"/80mm	psi/bar	°C	60" 800 4000psi	/	/	/	Paper box
HS-S60-105	R410A R404A R407C R134a	3-1/8"/80mm	psi/bar	°C	60" 800 4000psi	/	/	/	Paper box
HS-S60-106-A	R22 R404A R134a R407C	3-1/8"/80mm	Pa/bar	°C	60" 1500 3000psi	/	Type	/	Plastic case
HS-S60-106-B	R410A R22	3-1/8"/80mm	Pa/bar	°C	60" 800 4000psi	/	Type	/	Plastic case
HS-S60-106-A-60	R410A R407C R22 R134a	3-1/8"/80mm	psi/bar	°C	60" 1500 3000psi	1. HS-S60-2. HS-S6L	1 pc	Connector*1	Plastic case
HS-S60-106-A-75	R410A R407C R22 R134a	3-1/8"/80mm	psi/bar	°C	75" 1500 3000psi	1. HS-S60-2. HS-S6L	1 pc	Connector*1	Plastic case
HS-S60-106A	R410A R22 R134a R404A	3-1/8"/80mm	psi/bar	°C	60" 800 4000psi	/	/	/	Plastic case

Product Characteristics

Protective housing
• Anti-collision design

Liquid indicator
• Expansion-proof liquid indicator

Knob
• Gentle and comfortable aluminum knob

MANIFOLD GAUGE SET

HS-236





Tool kit
High-end plastic case packaging
Convenient storage, easy carry



Tool kit
Paper box
economical and practical

Model selection



HS-526G



HS-404G



HS-236A



HS-266A-OA

Model selection

Model	Refrigerant	Diameter	Pressure	Temperature	Refrigerant Charging hose	Accessories: Quick coupler	Accessories: Other	Accessories: Package
HS-526G	R134a R404A R22 R407C	76mm(3-1/2")	psi/kPa	°C	36" 600-3000psi	1-HS-MH	Core remover*1	Paper box
HS-404G	R134a R404A R22 R407C	76mm(3-1/2")	psi/kPa	°C	36" 600-3000psi	1-HS-MH	Core valve*1	Paper box

Model selection

Model	Refrigerant	Diameter	Pressure	Temperature	Refrigerant Charging hose	Accessories: Quick coupler	Accessories: Other	Accessories: Package
HS-236A-6D	R22 R134a R404A R407C	72mm(2-3/4")	psi/bar	°C	60" 600-3000psi	1-HS-MH 2-HS-ML	/	Plastic case
HS-236A-72	R22 R134a R404A R407C	72mm(2-3/4")	psi/bar	°C	72" 600-3000psi	1-HS-MH 2-HS-ML	/	Plastic case
HS-236-36	R22 R134a R404A R407C	72mm(2-3/4")	psi/bar	°C	36" 600-3000psi	/	/	Paper box
HS-236-60	R22 R134a R404A R407C	72mm(2-3/4")	psi/bar	°C	60" 600-3000psi	/	/	Paper box
HS-236-72	R22 R134a R404A R407C	72mm(2-3/4")	psi/bar	°C	72" 600-3000psi	/	/	Paper box
HS-236A-OA	R134a R22 R134a R404A	72mm(2-3/4")	psi/bar	°C	60" 600-3000psi	1-HS-MH 2-HS-ML	/	Plastic case

Product Characteristics

Valve body
- Corrosion valve body design, convenient and easy to carry

Liquid indicator
- Double-layer proof liquid indicator

Knob
- Ergonomic comfortable aluminum comb

MANIFOLD GAUGE SET

HS-536C



Tool kit
Paper box
economical and practical





Product Characteristics

Valve body

- Integrated copper carbon structure, reliable performance

Knob

- Ergonomic comfortable anti-burn knob

Model selection







HS-536A	HS-536C	HS-536G-R410A

Model selection

Model	Pressure gauge				Refrigerant charging hose	Accessories		
	Refrigerant	Diameter	Pressure unit	Temp unit		Quick coupler	Filter	Package
HS-536A	R134A R22 R12 R404A R407C	70mm/2.8"/1	psi/bar	°C	59" 600-800psi	/	/	Paper box
HS-536C	R22 R134A R407C R12 R404A	70mm/2.8"/1	psi/bar	°C	59" 600-800psi	/	/	Paper box
HS-536G-R410A	R32 R410A R410A R410A	70mm/2.8"/1	psi/bar	°C	59" 600-800psi	/	/	Paper box

MANIFOLD GAUGE SET

HS-473AH/HS-473AL



Tool kit
Paper box
economical and practical



Model selection



HS-473AL	HS-473AH	HS-466NAL	HS-466NAH

Product Characteristics

Single manifold gauge
• Single meter design, economical and practical

Liquid indicator
• Unique and practical sight glass

Valve body
• Integrated cooper valve structure, reliable performance

Knob
• Aluminum construction, durable and beautiful

tModel selection

Model	Pressure gauge				Refrigerant charging hose	Accessories		
	Refrigerant	Diameter	Pressure unit	Temp.unit		Quick coupler	Other	Package
HS-473AL-R1	R134A/R12/R1234yf	78mm(3-1/8")	psi/bar	°C	36" R/Y/B(0~800psi)	/	R410A adapter**	Paper box
HS-473AH-R1	R134A/R12/R1234yf	78mm(3-1/8")	psi/bar	°C	72" R/Y/B(0~4500psi)	/	R410A adapter**	Paper box
HS-473AH-R2	R134A/R12/R1234yf	78mm(3-1/8")	psi/bar	°C	72" R/Y/B(0~4500psi)	/	R410A adapter**	Paper box
HS-473AL-R6	R134A/R12/R1234yf	80mm(3-1/8")	psi/bar	°C	36" R/Y/B(0~800psi)	/	R410A adapter**	Paper box
HS-473AL-R7	R134A/R12/R1234yf	80mm(3-1/8")	psi/bar	°C	60" R/Y/B(0~4500psi)	/	R410A adapter**	Paper box
HS-473AL-R8	R134A/R12/R1234yf	80mm(3-1/8")	psi/bar	°C	72" R/Y/B(0~4500psi)	/	R410A adapter**	Paper box
HS-466NAH	R134A/R12/R1234yf	78mm(3-1/8")	psi/bar	°C	/	/	/	Paper box
HS-466NAL	R134A/R12/R1234yf	78mm(3-1/8")	psi/bar	°C	/	/	/	Paper box

MANIFOLD GAUGE SET

HS-468AH / HS-468AL



Tool kit

Paper box

economical and practical





Model selection









HS-467AL	HS-467AH	HS-468AH	HS-468AL

Product Characteristics

Single manifold gauge

- Classic metal design, economical and practical

Knob

- Easy to use, comfortable to rotate knob

Model selection

Model	Pressure gauge				Refrigerant charging hose	Accessories		
	Refrigerant	Diameter	Pressure unit	Temp unit		Quick coupler	Other	Package
HS-468AH	R134a, R1234yf	70 mm(2.75")	psi, kg/cm²	°C	/	/	/	Paper box
HS-468AL	R134a, R1234yf	70 mm(2.75")	psi, kg/cm²	°C	/	/	/	Paper box
HS-468H	R22 R404A	80 mm(3.15")	psi/bar	°C	/	/	/	Paper box
HS-468L	R22 R404A	80 mm(3.15")	psi/bar	°C	/	/	/	Paper box

Pressure Gauge



Product Characteristics

- Refrigerant gauge (Low)
- With front calibration adjustment
- Used in refrigerants, petroleum oils and lubricating oil which do not corrode

Model selection



Model selection					
Model	Refrigerant	Dial	Pressure	Temperature	Connector
213PH	R404A/R507C/R32/R134a	77mm/3.03"	psi/bar	°F/°C	1/4"SAE
213PL					
211PH	R410A/R22/R134a/R407A				
211PL					
203PH	R404A/R507C/R32/R1234yf	83mm/3.27"			
203PL					
200PH	R410A				
200PL					

Oil-filled (vacuum) pressure Gauge





Model selection

Model	Refrigerant	Oil	Dial	Pressure	Temp.unit	Connector
242#H	R404A,R407C,R22,R134a	glycerin	63mm	-1kgf/cm²	°C	1/4SAE
242#L	R404A,R407C,R22,R134a		63mm	-76cmHg		
128#H	R410A	silicone oil	77mm	psi, kgf/cm²		
128#L	R410A		63mm	psi, kgf/cm²		
191#H	R404A,R407C,R22,R134a	Silicone oil	63mm	Mpa		
191#L	R404A,R407C,R22,R134a		63mm	Mpa		
242#H	R404A,R407C,R22,R134a	glycerin	63mm	Mpa,psi		
242#L	R404A,R407C,R22,R134a		63mm	Mpa,psi		
58#H	R404A,R407C,R22,R134a		63mm	-76cmHg		
58#L	R404A,R407C,R22,R134a		63mm	-76cmHg		

Flex Hose With Valve Gauge For Nitrogen



Product Characteristics

- Indicate the pressure during the welding and under pressure
- Indicate the pressure during the flushing of nitrogen protection welding
- Vertical and multi-way to control pressure output
- The red pointer can be used to record the input pressure.

Model selection

Model	Applicable media	Connector	Dia.	Pressure	Pressure range
HS-NG	R134a R404A,R407C,R507,R22 R410A Nitrogen gas	1/4SAE	63mm (2-1/2")	7MPa	-1 bar ~ 45 bar

QUICK COUPLER SERIES

HS-MH-1234 / HS-ML-1234



Product Characteristics

Standard
- Meet the J639 standard

Reliability
- Self-locking structure, anti-incorrect connection and release

Precise operation
- Adjustable opening pressure fitting

PATENTED PRODUCT
PATENT NUMBER
ZL201020551513.3

Model selection


(R1234yf)


(R1234yf)


(R134a)


(R134a)

HS-MH-1234	HS-ML-1234	HS-MH-S	HS-ML-S

Model selection

Model	Refrigerants	Type	Remark
HS-MH-1234	R1234yf	Manual type	high side
HS-ML-1234		Manual type	low side

Model selection

Model	Refrigerants	Accessories	Type	Remark
HS-MH-S	R134a	adapter (M14x1.5-1/4 SAE)	Manual type	high side
HS-ML-S		adapter (M14x1.5-1/4 SAE)	Manual type	low side
HS-MH-S 1/4 SAE		—	Manual type	high side
HS-ML-S 1/4 SAE		—	Manual type	low side

QUICK COUPLER SERIES
HS-ML-1/4 / HS-MH-1/4

Product Characteristics

Standard
- Meet the SAE standard

Precise operation
- Adjustable opening, precise filling

Model selection






HS-ML-14x1.5	HS-MH-14x1.5	HS-ML-1/4	HS-MH-1/4

Model selection				
Model	Refrigerants	Accessories	Type	Remark
HS-MH-14x1.5	R134a	adapter SAE 1/4 SAE	Manual type	High side
HS-ML-14x1.5		adapter SAE 1/4 SAE	Manual type	Low side
HS-MH-1/4		—	Manual type	High side
HS-ML-1/4		—	Manual type	Low side

QUICK COUPLER SERIES
HS-MH-BMW/HS-12B/HS-12A

Product Characteristics

HS-MH-BMW

Standard
- Meet the SAE standard

Precise operation
- Adjustable opening, precise filling
- Especially designed for BMW

HS-12A/HS-12B

economical and practical

Model selection





HS-MH-BMW	HS-12A	HS-12B

Model selection				
Model	Refrigerants	Accessories	Type	Remark
HS-MH-BOW	R134a	adapter SAE 1/4 SAE	Manual type	High side
HS-12A		—	push on type	High & low
HS-12B		—	push on type	High & low

CHARGING VALVE SERIES



Product Characteristics

Knob

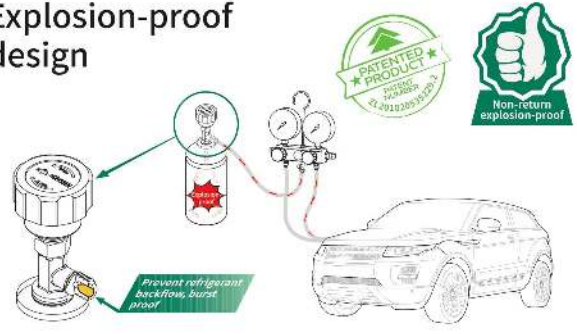
- Serrated comfortable knob, anti-slip

non-return design

- prevent refrigerant backflow, burst proof

CAN TAP VALVE

Explosion-proof design



Model selection



HS-338A	HS-339A	HS-340A

Model selection

Model	Refrigerants	Connector A	Connector B	Type
HS-338A	R22	M12×1.25	1/4 SAE	push type
HS-339A	R134a	M14×1.5	1/4 SAE	push type
HS-340A	universal refrigerant	general type	1/4 SAE	push type

CAN TAP VALVE

Product Characteristics

economical and practical

Model selection







HS-338/HS-339	HS-341	HS-340

Model selection

Model	Refrigerants	Connector A	Connector B	Type
HS-338	R22	M14 X 1.25	1/4 SAE	pin type
HS-339	R134a	M14 X 1.25	1/4 SAE	pin type
HS-341	R12/R134a/R409A	7/16-20UNF	1/4 SAE	bent type
HS-340	universal refrigerants	quick oil type	1/4 SAE	pin type

Refrigerant Charging Control Valve

Product Characteristics

Knob

- Aluminum cast, convertible and sunken
- Soft and reliable, energy saving and environmental protection



Model selection







HS-1221	HS-1222	HS-1223

Model selection

Model	Refrigerants	Connector A	Connector B	Type
HS-1221	R410A/R32	5/16-24UNF(female)	1/4 SAE	short type
HS-1222	R22/R407A/R407C	1/4 SAE(male)	1/4 SAE	short type
HS-1223	R410A/R32	5/16-24UNF(female)	5/16 SAE	short type

Remarks: Special threads such as 1/2"ACME, 1/2"ACME-2B(LH, Female), 5/16"ACME(LH, Female), etc. can be customized.

REFRIGERANT CHARGING HOSE SERIES



SAE J2196
SAE J2888 R1234yf

Product Characteristics

Standard
- Meet the SAE J2196 and SAE J2888 standard

Reliability
- Reinforced PTFE sealing materials, suitable for a variety of refrigerants, long service life

Sealing
- Imported with Hongsen core technology with a unique two-layer PTFE sealing of "O" single-layer soft pressure, uniform force, strengthened sealing

Convenience
- Connector and length can be customized

Model selection



Charging hose



Charging hose With Ball Valve



Ball Valve

Model selection

Model	Refrigerants	Working Pressure	Burst Pressure	Length	Connector
HS-36R	R22 R134a R404A R407C R410A	820psi	4300psi	36"	Red: 1/4"SAE 3/8"SAE Blue: 1/4"SAE 3/8"SAE Yellow: 1/4"SAE 3/8"SAE
HS-60R				60"	
HS-72R				72"	
HS-36R-BALL	R22 R134a R404A R407C R410A	820psi	4300psi	36"	Red: 1/4"SAE 3/8"SAE Blue: 1/4"SAE 3/8"SAE Yellow: 1/4"SAE 3/8"SAE
HS-60R-BALL				60"	
HS-72R-BALL				72"	
HS-36R-1234	R1234yf R134a R404A R407C R410A	820psi	4300psi	36"	Red: 1/4"SAE 3/8"SAE Blue: 1/4"SAE 3/8"SAE Yellow: 1/4"SAE 3/8"SAE
HS-60R-1234				60"	
HS-72R-1234				72"	
HS-135-1/4	R22 R134a R404A R407C R410A	820psi	4300psi	60"	1/4"SAE-1/4"SAE
HS-135-5/16				60"	5/16"F-5/16"F

BALL SHUT OFF VALVE

Product Characteristics

- Integrated copper valve structure, stable performance
- Brass sealing core and handle
- Modified PTFE sealing material, suitable for a variety of refrigerants

Model selection



Model selection				
Model	Group	Refrigerants	Connector A	Connector B
1320-01	①	R22 R134A R513 R404A R407C R410A	1/4 SAE M	1/8 NPTF
1320-02	②		1/4 SAE M	1/4 SAE M
1320-03			5/16 SAE M	1/4 SAE M
1320-11	③		5/16 SAE M	1/4 SAE F 45°
1320-12			1/4 SAE M	1/4 SAE F 45°
1320-13			1/4 SAE M	5/16 SAE F 45°
1320-14			1/4 SAE M	3/8 SAE F 45°

Model selection				
Model	Group	Refrigerants	Connector A	Connector B
1320-06	④	R22 R134A R407 R410A R407C R410A	1/4 SAE M	1/4 SAE M 45°
1320-63			5/16 SAE M	1/4 SAE M 45°
1320-66	⑤		1/4 SAE M	1/4 SAE F
1320-65			1/4 SAE M	5/16 SAE F
1320-64			1/4 SAE M	3/8 SAE F
1320-69			5/16 SAE M	1/4 SAE F
1320-67			5/16 SAE M	5/16 SAE F

Dimensions: Size of thread such as 1/4 SAE M, 1/4 SAE M left-handed, 5/16 SAE left-handed, etc. can be customized

SCHRADER VALVE REMOVER



SCHRADER VALVE REMOVER

Product Characteristics

HS-1430 / HS-1424

- The connection can be flexibly converted
- Assembly and disassembly valve core under running condition of refrigeration system

HS-1431

- Multi-purpose tool
- Simple and practical

Model selection







HS-1430	HS-1424	HS-1431

Model selection		
Model	Connector	Working Condition
HS-1430	1/4 SAE & 5/16 SAE	R12
HS-1424	1/4 SAE & 5/16 SAE & R134a	R12
HS-1431	General	R12 & R22

OIL INJECTOR

Product Characteristics

- Save all trouble such as LEAKAGE, STARVE left behind, QUAGIR left behind, etc. can be eliminated
- One-way filling, effectively ensuring equilibrium
- Filling the fluorescent materials and refrigerant oil for system

Model selection





HS-1416	HS-1417

Model selection		
Model	Connector	Capacity
HS-1416	1/4 SAE	16oz
HS-1417	1/4 SAE	24oz

FLUORESCENT LIQUID FILLER

Product Characteristics

- Special connection nut 1/2ACME, 1/2ACME left-handed, 5/8ISO left-handed, etc., can be customized
- Filling with fluorescent reagents and refrigerants for system



Model selection			
Model	Connector A	Connector B	Capacity
HS-1410	1/4 SAE	1/4 SAE	30 ml

A/C FLUSH CLEANER

Product Characteristics

- Flexible hose connection, easy to use
- Can clean the condenser and evaporator directly
- Pneumatic discharge of contaminants, safe and reliable



Model selection			
Model	Connector	Working Pressure	Capacity
HS-1410M	1/4 SAE	8MPa	1000ml

CUTTER

Product Characteristics

- Adjustable opening size to fit
- Durable and easy to use
- Sharp edge, fast cut

Model selection





HS-T28	HS-T42

Model selection

Model	Size
HS-T28	Φ3-Φ28
HS-T42	Φ4-Φ42

CYLINDER

Product Characteristics

Cylinder valve

- Integrated brass valve structure, soft seal nozzle
- Modified PTFE gasket, superior performance
- Safe pressure relief, adjustable from 2.8MPa-3.5MPa
- Two connections: high pressure (liquid) and low pressure (vapor)
- The height of the valve can be customized

Cylinder 12L / 30L

- Durable
- Safety pressure relief, adjustable from 2.8MPa-3.5MPa
- Two connections: high pressure (liquid) and low pressure (vapor)

Model selection





Cylinder valve	Cylinder 12L / 30L

Model selection

Model	Connector A	Connector B	Refrigerants
Cylinder valve	7/16-UNF	1/4-SAE	R22/R134a/R404A/R407C/R410A

Model	Size
Cylinder 12L	1/4 SAE
Cylinder 30L	1/4 SAE

BRASS FITTINGS

Nut

- Forged from high quality copper alloy
- Complete connection



1/4 3/8 1/2 5/8 3/4

Nut

1/4 3/8 1/2 5/8 3/4

Union connector

- High quality copper alloy
- Complete connection



1/4 3/8 1/2 5/8 3/4

Union connector

1/4 3/8 1/2 5/8 3/4

Adapter

- High quality copper alloy
- Compact structure, environmental protection

Adapter	Connector A	Connector B
R22 Adapter	1/4 SAE(Female)	5/16 SAE(Female)
R410A Adapter	5/16 SAE(Female)	1/4 SAE(Female)



Adapter

- High quality copper alloy

Adapter	Connector A	Connector B
Adapter	1/2 ACME(Female)	1/4 SAE(Female)



BRASS FITTINGS

Copper sealing ring

- High quality copper alloy
- Complete connection



Copper sealing ring

1/4 3/8 1/2 5/8 3/4

Copper cap

- High quality copper alloy
- Complete connection



Copper cap

1/4 3/8 1/2 5/8 3/4

Capillary tube with nut

- Thin wall, copper alloy
- Solid tightness, leak proof reliable
- Connector and length can be customized



Capillary tube with nut	Length	Connector
HS-1.5M	1M	1/4 SAE
HS-2.0M	1.5M	1/4 SAE
HS-2.5M	2M	1/4 SAE