

HONGSEN 鸿森

2021-2022

空调专业维修工具

A/C SERVICE TOOLS

HONGSEN MACHINERY
Escort For Safe Refrigeration

A/C SERVICE TOOLS

空调专业维修工具

HONGSEN® 鸿森®

浙江鸿森机械有限公司
ZHEJIANG HONGSEN MACHINERY CO.,LTD

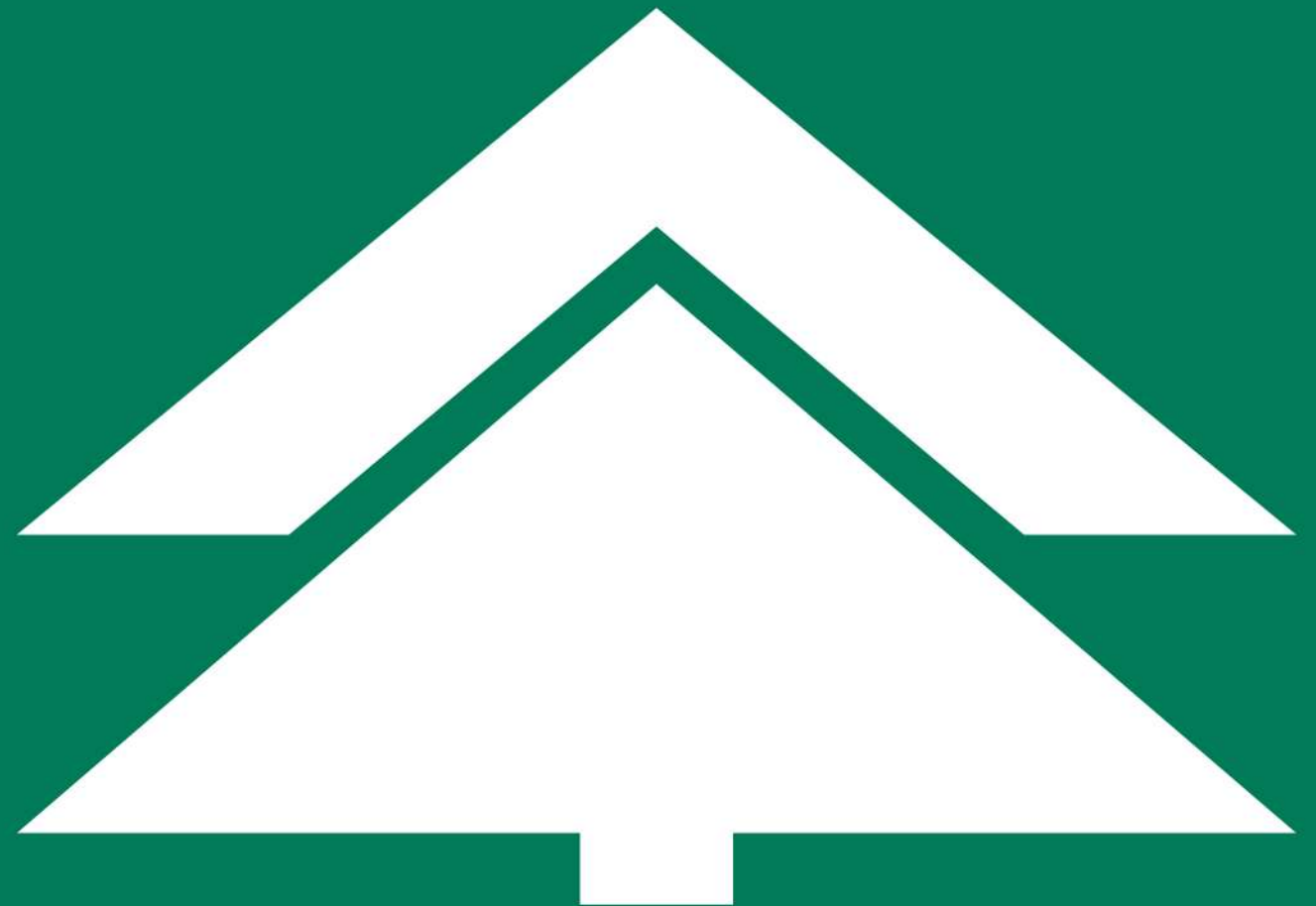
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HONGSEN

ESCORT FOR
SAFE REFRIGERATION

为安全制冷护航

关于鸿森

ABOUT HONGSEN

ESCORT FOR SAFE REFRIGERATION 为安全制冷护航

鸿森人有着对产品的匠人匠心精神,借助现代化高精尖设备和技术,做好每一款产品。

鸿森机械有限公司创建于1992年,一直潜心致力于制冷空调用各类阀门的开发、研究和制造。20多年来,鸿森人“开拓进取,永不满足”的执着追求,坚持以高新技术为发展方向,坚持走规模效益、质量效益的可持续发展之路。

公司占地面积50000平方米,拥有员工400多人,以及一支30多人的专业技术团队,年生产能力2000万件。在浙江大学、上海交通大学和西安交通大学等高校专家的指导下,聘请国内著名主机企业的技术行家为顾问,为企业培育了一批强有力的生产、技术和质量的精英,现已形成电磁阀系列、球阀系列、视液镜系列、膨胀阀系列、截止阀系列、避震管系列、过滤器系列等多个产品,逐步发展为一体化生产企业。

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 techicians. 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 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.



智能生产线
ADVANCED PRODUCTION LINE

国内领先技术
自动化生产

半自动红外线节能烘箱
SEMI-AUTOMATIC
INFRARED ENERGY-SAVING OVEN

高效节能
操作便捷



精加工车间
FINISHING CENTER

高精尖加工中心
CNC数控



氦气检漏设备
HELIUM TESTING
MACHINE

高效精准
环保安全



氦气检漏设备
HELIUM TESTING
MACHINE

自动检漏报警
检测效率极高

每一款产品的背后
是高精技术的匠心打造

FOCUS ON
REFRIGERATION
FOR 30 YEARS

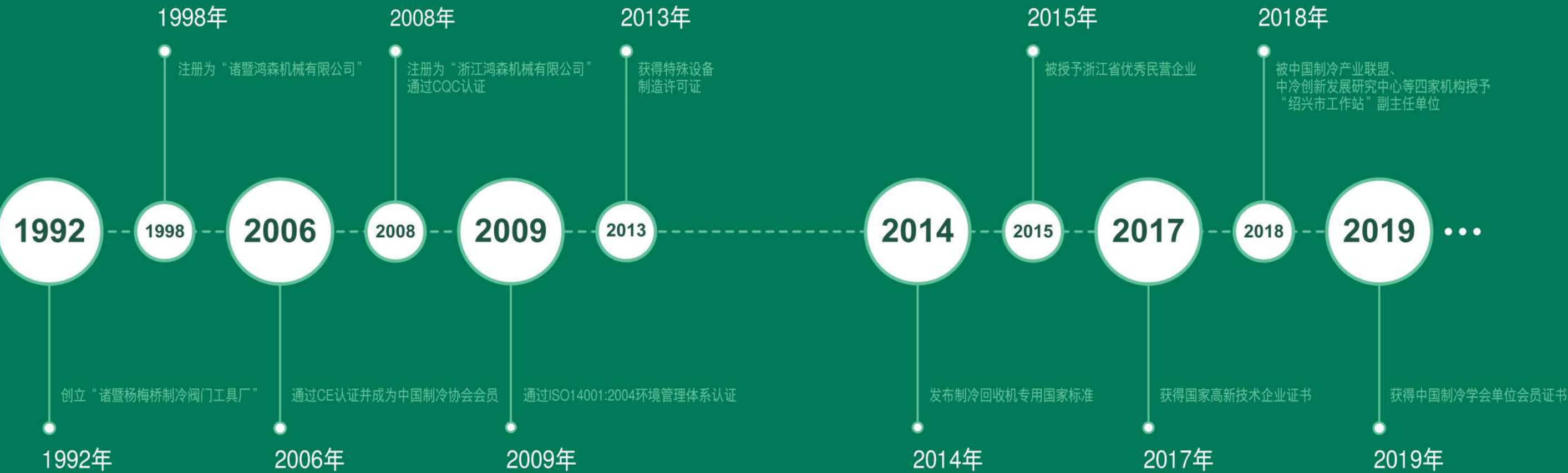
公司下设三个事业部：空调工具事业部、自控元件事业部和环境设备事业部，拥有国内先进的CNC加工设备及高端检测设备300余台（套）。

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.

发展历程

DEVELOPMENT HISTORY

REFRIGERATION & A/C SYSTEM ACCESSORIES



HONGSEN

全球品牌渠道

GLOBAL BRAND CHANNELS



公司拥有自营进出口权，产品主要销往广州、上海、北京，并出口欧洲、美国、澳洲等地，并与国内知名空调制冷企业建立了长期业务合作关系，产品质量深受用户青睐。

Hongsen product is well sold in domestic market, like Guangzhou, 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

表组系列



表组系列 MANIFOLD GAUGE SET
HS-DVS60/HS-D480



产品特点 Product Characteristics

- 电子表 Digital gauge**

 - 高精度数字显示 High precision digital display
 - 操作简便 Simple operation

外壳 Protective housing

 - 防撞设计 Anti-collision design

手轮 Knob

 - 球阀式结构, 操作便捷, 精准加注 Ball valve design, easier operation and more precise charging.
 - 符合人体功能学的铝制手轮, 舒适耐用 Gentle and comfortable aluminium knob
- 挂钩 Hook**

 - 折叠挂钩 Foldable hook
 - 便于收纳 Easy storage and hiding

视液镜 Liquid indicator

 - 防爆视液镜 Explosion-proof liquid indicator

选型 Model selection

HS-DVS60-101A	HS-D480AL	HS-D480AH	HS-D5300

选型表 Model selection								
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories		
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	包装 Package	其他 Other
HS-DVS60-101A-60	R22 R134a R1234yf R32 R407C R404A R410A R507 R600a	—	psi/bar/Mpa/Kpa	°C/°F	60" 800~4000psi	/	皮箱 Plastic case	Charging control valve *2 5/16SAE*1/4SAE
HS-DVS60-101A-72	R22 R134a R1234yf R32 R407C R404A R410A R507 R600a	—	psi/bar/Mpa/Kpa	°C/°F	72" 800~4000psi	/	皮箱 Plastic case	Charging control valve *2 5/16SAE*1/4SAE
• 三色管3根 (红色、黄色、蓝色), 接口为1/4SAE • 所有阀体上的接口为1/4SAE					• Charging hoses 3 pcs (red, yellow, blue), all 1/4SAE connection • Thread of all adapter on valve: 1/4SAE			

选型表 Model selection								
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories		
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	包装 Package	其他 Other
HS-D480AH-36	R22 R134a R1234yf R32 R407C R404A R410A R507 R600a	—	psi/bar/Mpa/Kpa	°C/°F	36" 800~4000psi	/	皮箱 Plastic case	R410A转换接头 *1 R410A adapter *1
HS-D480AH-60	R22 R134a R1234yf R32 R407C R404A R410A R507 R600a	—	psi/bar/Mpa/Kpa	°C/°F	60" 800~4000psi	/	皮箱 Plastic case	R410A转换接头 *1 R410A adapter *1
HS-D480AH-72	R22 R134a R1234yf R32 R407C R404A R410A R507 R600a	—	psi/bar/Mpa/Kpa	°C/°F	72" 800~4000psi	/	皮箱 Plastic case	R410A转换接头 *1 R410A adapter *1
HS-D480AL-36	R22 R134a R1234yf R32 R407C R404A R410A R507 R600a	—	psi/bar/Mpa/Kpa	°C/°F	36" 800~4000psi	/	皮箱 Plastic case	R410A转换接头 *1 R410A adapter *1
HS-D480AL-60	R22 R134a R1234yf R32 R407C R404A R410A R507 R600a	—	psi/bar/Mpa/Kpa	°C/°F	60" 800~4000psi	/	皮箱 Plastic case	R410A转换接头 *1 R410A adapter *1
HS-D480AL-72	R22 R134a R1234yf R32 R407C R404A R410A R507 R600a	—	psi/bar/Mpa/Kpa	°C/°F	72" 800~4000psi	/	皮箱 Plastic case	R410A转换接头 *1 R410A adapter *1
HS-D5300	R22 R134a R1234yf R32 R407C R404A R410A R507 R600a	—	psi/bar/Mpa/Kpa	°C/°F	/	/	纸盒 Paper box	/
• 三色管2根 (AH配红色、黄色管子; AL配蓝色、黄色管子), 接口为1/4SAE • 所有阀体上的接口为1/4SAE					• Charging hoses 2 pcs (AH with red, yellow hose; AL with blue, yellow hose), all 1/4SAE connection • Thread of all adapter on valve: 1/4SAE			

表组系列 MANIFOLD GAUGE SET
HS-MVS60/HS-M480



产品特点 Product Characteristics

- 电子表 Digital gauge**

 - 高精度冷媒表 High precision refrigerant gauge
 - 操作简便 Simple operation
- 外壳 Protective housing**

 - 防撞设计 Anti-collision design
- 手轮 Knob**

 - 球阀式结构, 操作便捷, 精准加注 Ball valve design, easier operation and more precise charging.
 - 符合人体功能学的铝制手轮, 舒适耐用 Gentle and comfortable aluminium knob
- 挂钩 Hook**

 - 折叠挂钩 Foldable hook
 - 便于收纳 Easy storage and hiding
- 视液镜 Liquid indicator**

 - 防爆视液镜 Explosion-proof liquid indicator

选型 Model selection

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

选型表 Model selection									
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories			
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	螺丝刀 Screw driver	其他 Other	包装 Package
HS-MVS60-101A-60	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 800~4000psi	/	1 pic	R410A转换接头 *2 R410A adapter *2	彩箱 Plastic case
HS-MVS60-101A-72	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	72" 800~4000psi	/	1 pic	R410A转换接头 *2 R410A adapter *2	彩箱 Plastic case
HS-MVS60-134-60A	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 800~4000psi	1. HS-MH 2. HS-ML	1 pic	Core remover *1 Can tap valve *1	彩箱 Plastic case
HS-MVS60-134-72A	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	72" 800~4000psi	1. HS-MH 2. HS-ML	1 pic	Core remover *1 Can tap valve *1	彩箱 Plastic case
<ul style="list-style-type: none">三色管3根(红色、黄色、蓝色), 工作压力800psi, 爆破压力4000psi, 接口为1/4SAE所有阀体上的接口为1/4SAE塑料箱包装 <ul style="list-style-type: none">Charging hoses 3 pcs(red,yellow,blue), 800 psi working pres., 4000 psi bursting pres., all 1/4SAE connectionThread of all adapter on valve: 1/4SAEPlastic case packin									

选型表 Model selection									
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories			
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	螺丝刀 Screw driver	其他 Other	包装 Package
HS-M480AH-36	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	36" 800~4000psi	/	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-M480AH-60	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 800~4000psi	/	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-M480AH-72	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	72" 800~4000psi	/	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-M480AL-36	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	36" 800~4000psi	/	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-M480AL-60	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	60" 800~4000psi	/	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-M480AL-72	R22 R134a R404A R410A	70mm(2-1/2")	psi/bar	°C	72" 800~4000psi	/	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
<ul style="list-style-type: none">三色管2根(AH配红色、黄色管子; AL配蓝色、黄色管子), 接口为1/4SAE所有阀体上的接口为1/4SAE <ul style="list-style-type: none">Charging hoses 2 pcs(AH with red, yellow hose; AL with blue,yellow hose), all 1/4SAE connectionThread of all adapter on valve: 1/4SAE									

表组系列 MANIFOLD GAUGE SET
HS-350A-AD



表组系列 MANIFOLD GAUGE SET
HS-350A-AD



(可持续供电，带充电器)

技术参数 Technical Parameters

编号 Code Number:1024 接口 Connector:1/4 SAE
适用工质 Refrigerant:R11 R12 R13 R14 R21 R22 R23 R32 R41 R114 R115 R123 R124
R134a R176 R218 R245CA R290 R401A R401B R401C R402A R402B R403A R403B
R404A R406A R407A R407B R407C R408A R409A R410A R410B R411B R412A R413A
R414A R416A R417A R420A R421A R422A R422B R422D R423A R424A R427A R434A
R437A R438A R501 R502 R503 R504 R507 R600a R601 R601A R718 R1234yf
温度测量范围 Temperature Range:-55~125°C
温度精确度 Temperature Accuracy:±0.5°C (-10 85°C)
压力测量范围 Pressure Range:-0.1~4.2MPa (表压 Gauge Pressure)
压力精确度 Pressure Accuracy:1%

- 配置:
- 1套150cm的三色管 (红, 黄, 蓝)
 - 2只温度传感器
 - 一只充电器
 - 塑料箱包装
- Accessories:
- 1 set of 60" 800~4000psi charging hose (red, yellow, blue)
 - 2 sets of temperatures
 - 1 pcs of Charger
 - Plastic packing case

选型 Model selection

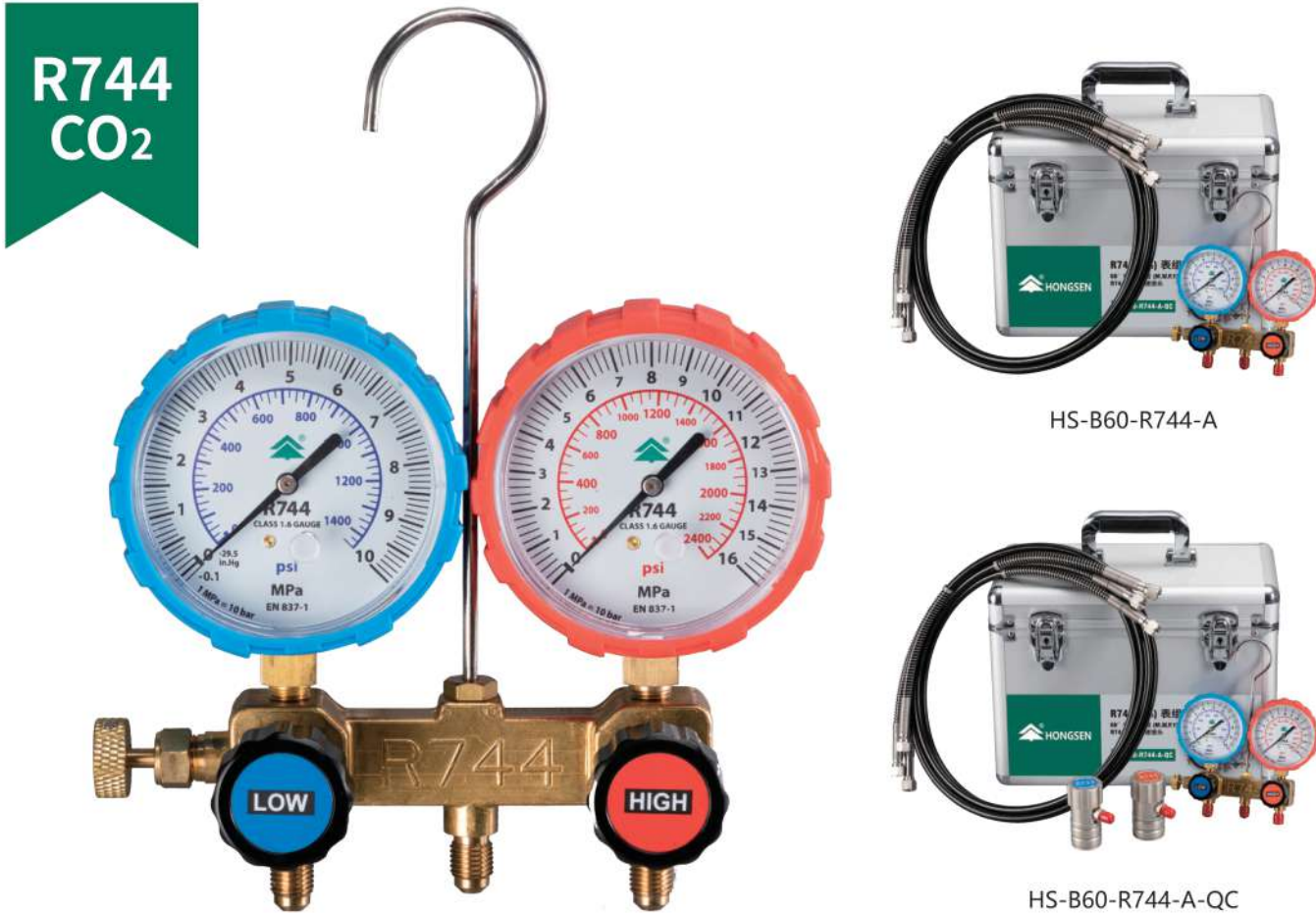
工具套件 Tool kit
高档皮箱包装 High-end plastic-case packaging
方便收纳和携带 Convenient storage, easy carry



产品特点 Model selection

- 外壳采用柔软舒适的设计, 手感舒适, 同时具有较高抗冲击性能。
 - 显示采用大屏幕、多角度、大字液晶屏, 带背光设计, 显示清晰, 多角度观察。可满足光线较弱的地方使用。
 - 采用高精度压力传感器与数字式温度传感器, 测量准确性、精度高。
 - 采用低功耗电子元件设计, 大大提高了电池的使用寿命。
 - 包含多达61种制冷焓参数。
 - 双通道温度实时测量, 可计算出过热度、过冷度。
 - 多种模式选择, 可用于真空测量、管路检漏, 日常维护。
 - 压力单位MPa、kPa、bar、psi, 温度单位(°C、°F) 随意切换, 满足客户使用习惯。
 - 具有压力超载失效功能。
 - 采用优质铝合金阀体。
- The shell adopts soft and comfortable design, which makes it give comfortable handle and high shock resistance
 - Large screen, multi-angle, big-font LCD and backlight design
 - High precision pressure sensor and Digital temperature sensor greatly improve the accuracy and precision
 - Micro power electronic component design greatly enhance the life of battery
 - Contain 61 kinds of refrigerant parameter
 - Dual channel RT measurement can work out the superheat and supercooling
 - Multi-mode option can be used in vacuum measurement, pipe leak detection and routing maintenance
 - Different pressure unit (MPa, kPa, bar, psi), temperature unit (°C, °F) can be switched freely to meet the usage
 - It switches off automatically when the pressure is overloaded
 - The valve body is made of high quality aluminum alloy

表组系列 MANIFOLD GAUGE SET
HS-B60-R744



产品特点 Product Characteristics

- 阀体
一体式铜阀结构, 性能优越
 - 手轮
符合人体功能学的铝制手轮, 舒适耐用
 - 泄压结构, 可手动排气
 - 超强耐压性能, 安全可靠
- Valve body
Integrated copper valve structure, superior performance
 - Handwheel
Ergonomic aluminum handwheel, comfortable and durable
 - Pressure relief structure, manual exhaust
 - Super pressure resistance, safe and reliable

选型表 Model selection									
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories			
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	螺丝刀 Screw driver	其他 Other	包装 Package
HS-B60-R744-A	R744 (CO ₂)	80mm(3-1/8")	psi/Mpa	/	60" 120~600bar	/	/	/	铝箱 Aluminium case
HS-B60-R744-A-QC	R744 (CO ₂)	80mm(3-1/8")	psi/Mpa	/	60" 120~600bar	1.HS-MH-R744 2.HS-ML-R744	/	/	铝箱 Aluminium case"

选型 Model selection

- 双层钢网, 超高耐压, 爆破压力≥87000Psi (60MPa)
- 硬密封接口, 安全可靠
- SUS304配件, 使用寿命更长
- 8角液压, 受力均匀, 加强密封
- 保护弹簧, 有效保护管体两端

- Double-layer steel mesh, ultra-high pressure resistance, burst pressure ≥87000Psi (60MPa)
- Hard sealed interface, safe and reliable
- SUS304 accessories, longer service life
- 8 angle hydraulic mounting, uniform force, strengthened sealing
- Protective spring, effectively protect both ends of the hose

选型表 Model selection					
型号 Model	制冷剂 Refrigerant	工作压力 Working pressure	爆破压力 Bursting pressure	长度 Length	接口 Connection
HS-360-R744	R744 (CO ₂)	120bar	600bar	60"	1/4SAE-1/4SAE
HS-372-R744				72"	1/4SAE-1/4SAE

- 符合J639标准
- 自锁结构, 环保可靠
- 开度可调, 精准加注
- 一体式阀体结构, 超高耐压, 爆破压力≥87000Psi (60MPa)

- Meet the J639 standard
- Self-locking structure, environmental protection and reliable
- Adjustable opening, precise filling
- One-piece valve body structure, ultra-high pressure resistance, burst pressure ≥87000Psi (60MPa)

选型表 Model selection				
型号 Model	制冷剂 Refrigerant	接口 Connection	类型 Type	备注 Remark
HS-MH-R744	R744 (CO ₂)	1/4SAE	手动型 Manual type	high side
HS-ML-R744		1/4SAE	手动型 Manual type	low side

表组系列 MANIFOLD GAUGE SET
HS-S36F-1234

R1234yf



工具套件
高档皮箱包装
方便收纳和携带

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

产品特点 Product Characteristics

- 阀体 Valve body

 - 紧凑的阀体设计，便捷易携
Compact valve body design, convenient and easy to carry
- 视液镜 Liquid indicator

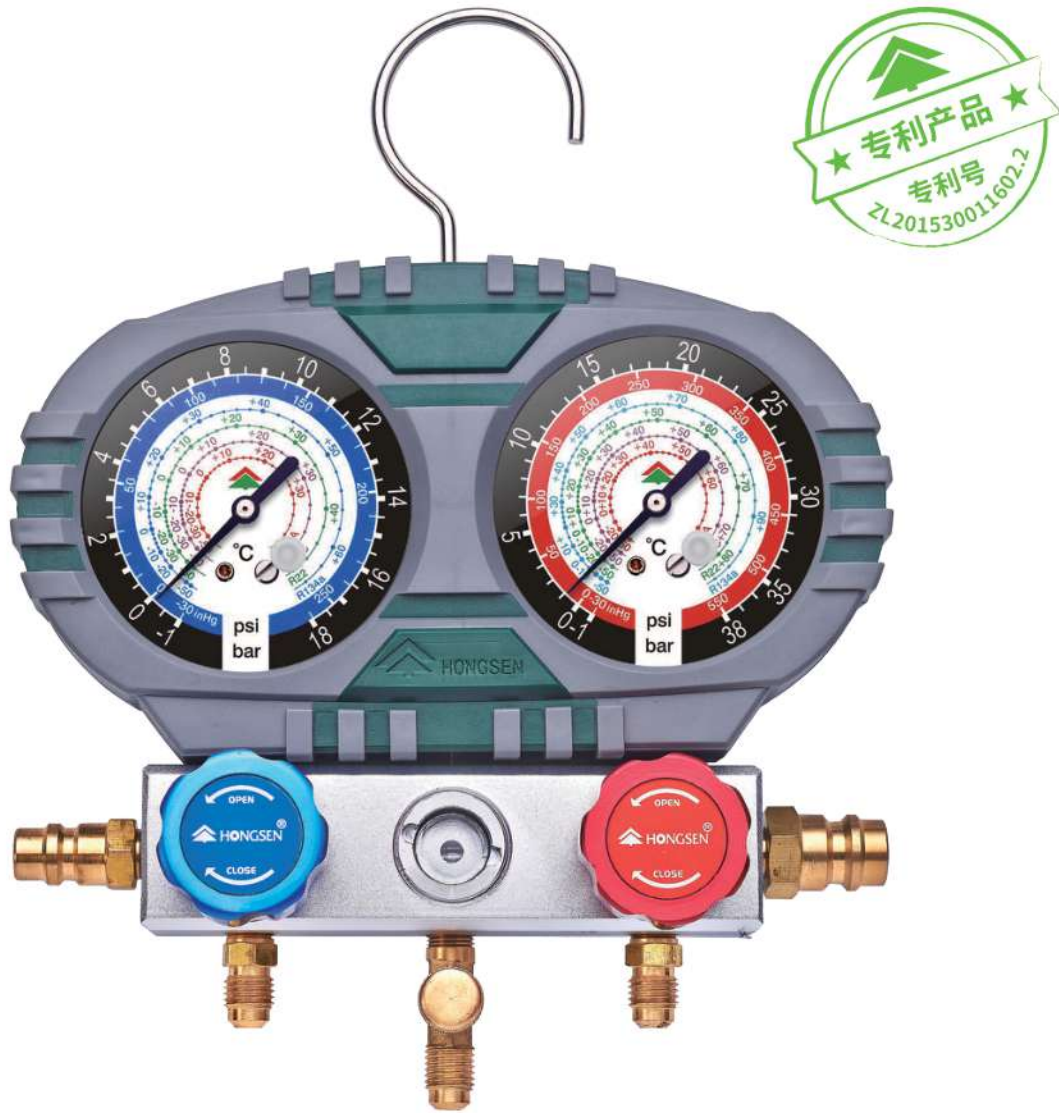
 - 防爆视液镜 Explosion-proof liquid indicator
- 手轮 Knob

 - 符合人体功能学的铝制手轮，舒适耐用
Gentle and comfortable aluminium knob

选型表 Model selection									
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories			
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	螺丝刀 Screw driver	其他 Other	包装 Package
HS-S36F-1234	R1234yf	80mm(3-1/8")	psi/bar	°C/°F	60" 800-4000psi	1.HS-MH-1234 2.HS-ML-1234	1 pic	Core remover*1	皮箱 Plastic case



表组系列 MANIFOLD GAUGE SET
HS-S60



产品特点 Product Characteristics

外壳 Protective housing

- 防撞设计 Anti-collision design

视液镜 Liquid indicator

- 防爆视液镜 Explosion-proof liquid indicator

手轮 Knob

- 符合人体功能学的铝制手轮, 舒适耐用 Gentle and comfortable aluminium knob

HONGSEN® 鸿森®



工具套件
高档皮箱包装
方便收纳和携带

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

工具套件
彩盒
经济实用

Tool kit
Paper box
economical and practical



选型 Model selection



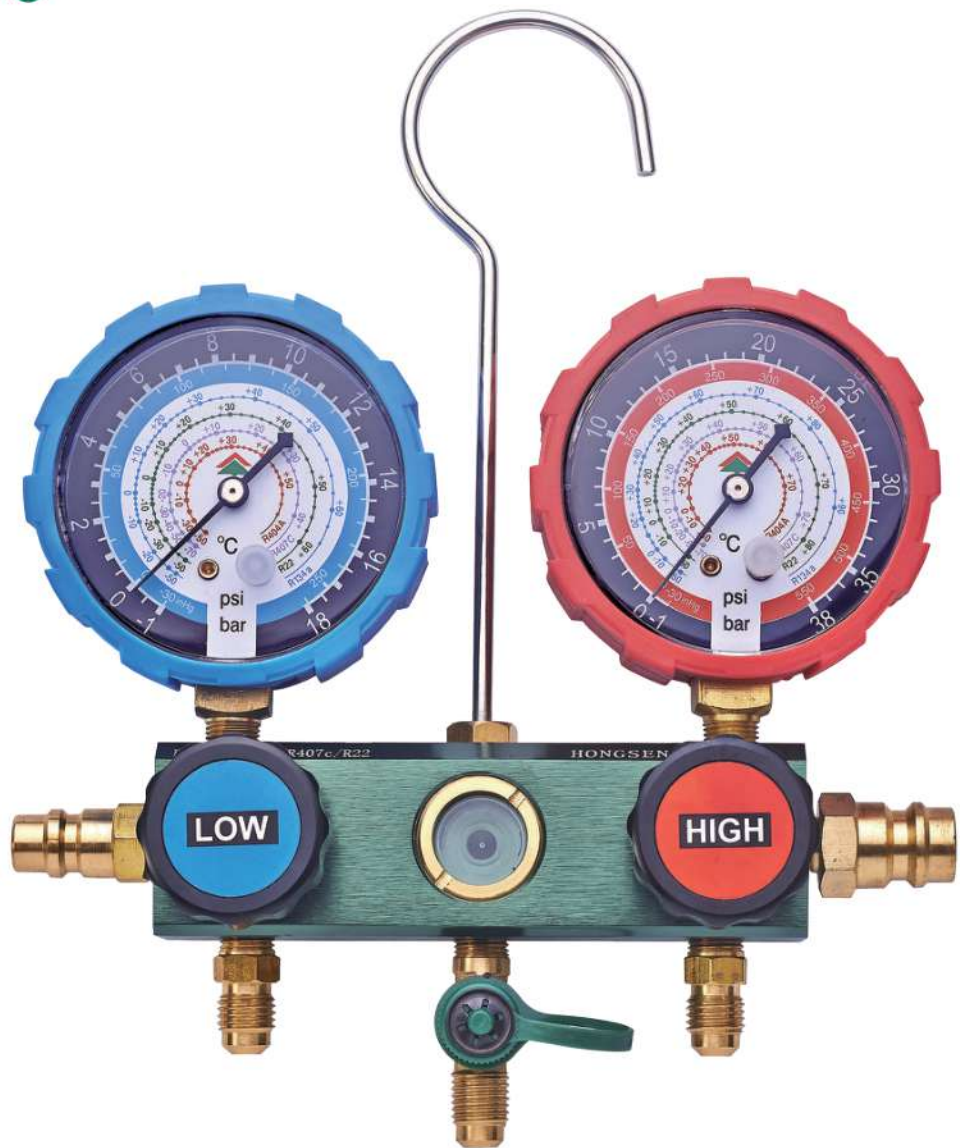
HS-S60-101



HS-S60-102

选型表 Model selection									
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories			
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	螺丝刀 Screw driver	其他 Other	包装 Package
HS-S60-101-60	R22 R404A R134a R407C	3-1/8" (80mm)	psi/bar	°C	60" 600~3000psi	/	/	/	彩盒 Paper box
HS-S60-101-72	R22 R404A R134a R407C	3-1/8" (80mm)	psi/bar	°C	72" 600~3000psi	/	/	/	彩盒 Paper box
HS-S60-102	R32 R410A	3-1/8" (80mm)	psi/bar	°C	60" 800~4000psi	/	/	/	彩盒 Paper box
HS-S60-103	R410A R22 R407C R134a	3-1/8" (80mm)	psi/bar	°C	60" 800~4000psi	/	/	/	彩盒 Paper box
HS-S60-104	R410A R404A R407C R134a	3-1/8" (80mm)	psi/bar	°C	60" 800~4000psi	/	/	/	彩盒 Paper box
HS-S60-101-A	R22 R404A R134a R407C	3-1/8" (80mm)	Psi/bar	°C	60" 600~3000psi	/	1pic	/	皮箱 Plastic case
HS-S60-102-A	R410A R32	3-1/8" (80mm)	Psi/bar	°C	60" 800~4000psi	/	1pic	/	皮箱 Plastic case
HS-S60-105-A-60	R404A R407C R22 R134a	3-1/8" (80mm)	psi/bar	°C	60" 600~3000psi	1. HS-MH 2. HS-ML	1 pic	Core remover *1	皮箱 Plastic case
HS-S60-105-A-72	R404A R407C R22 R134a	3-1/8" (80mm)	psi/bar	°C	72" 600~3000psi	1. HS-MH 2. HS-ML	1 pic	Core remover *1	皮箱 Plastic case
HS-S60-106A	R410A R22 R134a R404A	3-1/8" (80mm)	psi/bar	°C	60" 800~4000psi	/	/	/	皮箱 Plastic case

表组系列 MANIFOLD GAUGE SET
HS-236



产品特点 Product Characteristics

- 阀体 Valve body**
- 紧凑的阀体设计, 便捷易携
Compact valve body design, convenient and easy to carry
- 手轮 Knob**
- 符合人体功能学的铝制手轮, 舒适耐用
Gentle and comfortable aluminium knob

- 视液镜 Liquid indicator**
- 防爆视液镜 Explosion-proof liquid indicator



- 工具套件**
高档皮箱包装
方便收纳和携带
- Tool kit**
High-end plastic-case packaging
Convenient storage, easy carry

- 工具套件**
彩盒
经济实用
- Tool kit**
Paper box
economical and practical



选型 Model selection

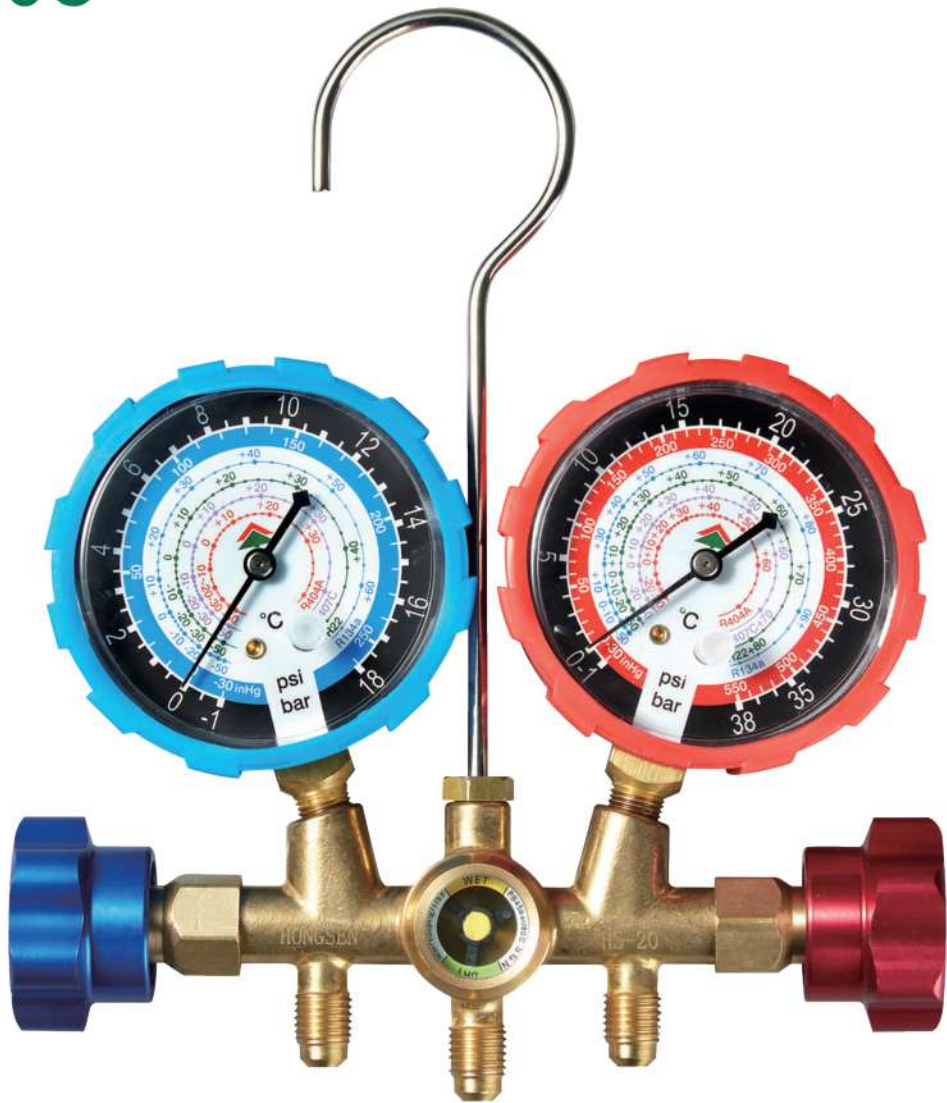


HS-S36G	HS-404G	HS-236A	HS-260A-OA
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选型表 Model selection								
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories		
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	其他 Other	包装 Package
HS-S36G	R134a R404A R22 R407C	80mm(3-1/8")	psi/MPa	°C	36" 600~3000psi	HS-12B	Core remover *1	彩盒 Paper box
HS-404G	R134a R404A R22 R407C	80mm(3-1/8")	psi/MPa	°C	36" 600~3000psi	HS-12B	Can tap valve *1	彩盒 Paper box

选型表 Model selection								
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories		
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	其他 Other	包装 Package
HS-236A-60	R22 R12 R404A R134a	70mm(2-1/2")	psi kg/cm2	°C	60" 600~3000psi	1. HS-MH 2. HS-ML	/	皮箱 Plastic case
HS-236A-72	R404A R407C R22 R134a	70mm(2-1/2")	psi/bar	°C	72" 600~3000psi	1. HS-MH 2. HS-ML	/	皮箱 Plastic case
HS-236-36	R404A R407C R22 R134a	70mm(2-1/2")	psi/bar	°C	36" 600~3000psi	/	/	彩盒 Paper box
HS-236-60	R404A R407C R22 R134a	70mm(2-1/2")	psi/bar	°C	60" 600~3000psi	/	/	彩盒 Paper box
HS-236-72	R404A R407C R22 R134a	70mm(2-1/2")	psi/bar	°C	72" 600~3000psi	/	/	彩盒 Paper box
HS-260A-OA	R410A R22 R134a R404A	70mm(2-1/2")	psi/bar	°C	60" 600~3000psi	1. HS-MH 2. HS-ML	/	皮箱 Plastic case

表组系列 MANIFOLD GAUGE SET
HS-536C



产品特点 Product Characteristics

- 阀体 Valve body
- 一体式铜阀结构, 性能可靠
Integrated copper valve structure, reliable performance
- 手轮 Knob
- 符合人体功能学的铝制手轮, 舒适耐用
Gentle and comfortable aluminium knob

- 工具套件 Tool kit
- 彩盒 Paper box
- 经济实用 economical and practical



选型 Model selection



HS-536A	HS-536C	HS-536G-R410A
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选型表 Model selection								
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories		
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	其他 Other	包装 Package
HS-536A	R410A R22 R134a R404A	70mm(2-1/2")	psi/bar	°C	36" 600~3000psi	/	/	彩盒 Paper box
HS-536C	R22 R12 R404A R134a	70mm(2-1/2")	psi kg/cm2	°C	36" 600~3000psi	/	/	彩盒 Paper box
HS-536G-R410A	R410A	70mm(2-1/2")	psi/bar	°C	36" 800~4000psi	/	/	彩盒 Paper box

表组系列 MANIFOLD GAUGE SET
HS-473AH/HS-473AL



产品特点 Product Characteristics

单表阀 Single manifold gauge

- 单表设计, 经济实用
Single meter design, economical and practical

阀体 Valve body

- 一体式铜阀结构, 性能可靠
Integrated copper valve structure, reliable performance

视液镜 Liquid indicator

- 独特而实用的铜阀带视镜设计
Unique and practical designed sight glass

手轮 Knob

- 符合人体功能学的铝制手轮, 舒适耐用
Gentle and comfortable aluminium knob

工具套件 Tool kit
彩盒 Paper box
经济实用 economical and practical



选型 Model selection

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

选型表 Model selection								
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories		
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	其他 Other	包装 Package
HS-473AH-36	R410A R22 R134a R407C	80mm(3-1/8")	psi/bar	°C	36" R/Y 800~4000psi	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-473AH-60	R410A R22 R134a R407C	80mm(3-1/8")	psi/bar	°C	60" R/Y 800~4000psi	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-473AH-72	R410A R22 R134a R407C	80mm(3-1/8")	psi/bar	°C	72" R/Y 800~4000psi	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-473AL-36	R410A R22 R134a R407C	80mm(3-1/8")	psi/bar	°C	36" B/Y 800~4000psi	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-473AL-60	R410A R22 R134a R407C	80mm(3-1/8")	psi/bar	°C	60" B/Y 800~4000psi	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-473AL-72	R410A R22 R134a R407C	80mm(3-1/8")	psi/bar	°C	72" B/Y 800~4000psi	/	R410A转换接头 *1 R410A adapter *1	彩盒 Paper box
HS-466NAH	R410A R22 R404A R134a	70mm(2-1/2")	psi/bar	°C	/	/	/	彩盒 Paper box
HS-466NAL	R410A R22 R404A R134a	70mm(2-1/2")	psi/bar	°C	/	/	/	彩盒 Paper box

表组系列 MANIFOLD GAUGE SET
HS-468AH / HS-468AL



工具套件 Tool kit
彩盒 Paper box
经济实用 economical and practical



选型 Model selection



HS-467AL	HS-467AH	HS-468AH	HS-468AL
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产品特点 Product Characteristics

- 单表阀 Single manifold gauge
- 单表设计, 经济实用
Single meter design, economical and practical
- 手轮 Knob
- 符合人体功能学的铝制手轮, 舒适耐用
Gentle and comfortable aluminium knob

选型表 Model selection								
型号 Model	压力表 Pressure gauge				加液管 Refrigerant charging hose	额外配置 Accessories		
	制冷剂 Refrigerant	表盘大小 Diameter	压力单位 Pres.unit	温度单位 Temp.unit		快速接头 Quick coupler	其他 Other	包装 Package
HS-467AH	R22 R404A R134a	70mm(2-1/2")	psi kg/cm2	°C	/	/	/	彩盒 Paper box
HS-467AL	R22 R404A R134a	70mm(2-1/2")	psi kg/cm2	°C	/	/	/	彩盒 Paper box
HS-468AH	R32 R410A	80mm(3-1/8")	psi/bar	°C	/	/	/	彩盒 Paper box
HS-468AL	R32 R410A	80mm(3-1/8")	psi/bar	°C	/	/	/	彩盒 Paper box

压力表 Pressure Gauge



产品特点 Product Characteristics

- 防跳针设计
 - 配置校准螺母
 - 各种制冷剂、压力单位，温度单位均可接受定制
- No-flutter gauge design
 - With Front calibration access port
 - Various refrigerants, pressure units, and temperature units can be customized

选型 Model selection



选型表 Model selection					
型号 Model	制冷剂 Refrigerant	尺寸 Dial	压力单位 Pres.unit	温度单位 Temp.unit	接口 Connector
213# H	R404A R407C R22 R134a	70mm(2-1/2")	psi/bar	℃	1/8NPT
213# L					
211# H	R410A R22 R134a R404A				
211# L					
201# H	R404A R407C R22 R134a	80mm(3-1/8")			
201# L					
200# H	R32 R410A				
200# L					

充油 (真空) 压力表
Oil-filled (vacuum) pressure Gauge



氮气保压表
Flex Hose With Valve Gauge For Nitrogen



选型表 Model selection						
型号 Model	制冷剂 Refrigerant	充油 Oil	尺寸 Dial	压力单位 Pres.unit	温度单位 Temp.unit	接口 Connector
242# H	R404A R407C R22 R134a	甘油 glycerin	63mm	psi/Mpa	°C	1/4SAE
242# L	R404A R407C R22 R134a		63mm	psi/Mpa		
128# H	R410A	硅油 Silicone oil	63mm	psi, Kg/cm3		
128# L	R410A		63mm	psi, Kg/cm3		
191# H	R404A R407C R22 R134a	硅油 Silicone oil	63mm	Mpa		
191# L	R404A R407C R22 R134a		63mm	Mpa		
122# H	R404A R407C R22 R134a	甘油 glycerin	63mm	Mpa psi		
122# L	R404A R407C R22 R134a		63mm	Mpa psi		
59# H	R404A R407C R22 R134a	—	63mm	psi/Mpa		
59# L	R404A R407C R22 R134a	—	63mm	psi/Mpa		

产品特点 Product Characteristics

- 具有三类不同制冷剂系统的保压试漏的压力指示功能
- 具有充氮清理管路, 充氮保护焊接管路的压力指示功能
- 小球阀, 方便控制压力输出
- 红色指针用于标识输入时压力值
- Indicate the pressure during the leaking test under pressure
- Indicate the pressure during the flushing or nitrogen protection welding
- Mini ball valve, easy to control pressure output
- The red pointer can be used to record the input pressure.

选型表 Model selection					
型号 Model	适用介质 Applicable media	接口 Connector	尺寸 Dial	压力单位 Pres.unit	压力量程 Pressure range
HS-NG	R134a R404A R407C R507 R22 R410A Nitrogen gas	1/4SAE	80mm (3-1/8")	bar	-1 bar ~ 60 bar

快速接头 QUICK COUPLER SERIES
HS-MH-1234 / HS-ML-1234



产品特点 Product Characteristics

行业标准 Standard

- 符合J639标准
Meet the J639 standard

精准操作 Precise operation

- 开度可调, 精准加注
Adjustable opening, precise filling

安全可靠 Reliability

- 自锁结构, 环保可靠
Self-locking structure, environmental protection and reliable



选型 Model selection



(R1234yf)



(R1234yf)



(R134a)



(R134a)

HS-MH-1234	HS-ML-1234	HS-MH-S	HS-ML-S
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选型表 Model selection			
型号 Model	适用制冷剂 Refrigerants	类型 Type	备注 Remark
HS-MH-1234	R1234yf	手动型 Manual type	high side
HS-ML-1234		手动型 Manual type	low side

选型表 Model selection				
型号 Model	适用制冷剂 Refrigerants	附件 Accessories	类型 Type	备注 Remark
HS-MH-S	R134a	转换接头 adapter (M14x1.5-1/4 SAE)	手动型 Manual type	high side
HS-ML-S		转换接头 adapter (M14x1.5-1/4 SAE)	手动型 Manual type	low side
HS-MH-S 1/4 SAE		—	手动型 Manual type	high side
HS-MH-L 1/4 SAE		—	手动型 Manual type	low side

快速接头 QUICK COUPLER SERIES

HS-ML-1/4 / HS-MH-1/4

产品特点 Product Characteristics

行业标准 Standard

- 符合J639标准
Meet the J639 standard

精准操作 Precise operation

- 开度可调, 精准加注
Adjustable opening, precise filling

选型 Model selection



HS-ML-14x1.5	HS-MH-14x1.5	HS-ML-1/4	HS-MH-1/4
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选型表 Model selection				
型号 Model	适用制冷剂 Refrigerants	附件 Accessories	类型 Type	备注 Remark
HS-MH-14x1.5	R134a	adapter M14x1.5-1/4 SAE	手动型 Manual type	high side
HS-ML-14x1.5		adapter M14x1.5-1/4 SAE	手动型 Manual type	low side
HS-MH-1/4		—	手动型 Manual type	high side
HS-ML-1/4		—	手动型 Manual type	low side

快速接头 QUICK COUPLER SERIES

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

产品特点 Product Characteristics

HS-MH-BMW

行业标准 Standard

- 符合J639标准
Meet the J639 standard

精准操作 Precise operation

- 开度可调, 精准加注
Adjustable opening, precise filling
- 专为BMW特殊车型设计
Specially designed for BMW

HS-12A/HS-12B

经济实用

economical and practical

选型 Model selection



HS-MH-BMW	HS-12A	HS-12B
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选型表 Model selection				
型号 Model	适用制冷剂 Refrigerants	附件 Accessories	类型 Type	备注 Remark
HS-MH-BMW	R134a	adapter M14x1.5-1/4 SAE	手动型 Manual type	high side
HS-12A		—	快按型 push on snap	High & Low
HS-12B		—	快按型 push on snap	High & Low

CHARGING VALVE SERIES

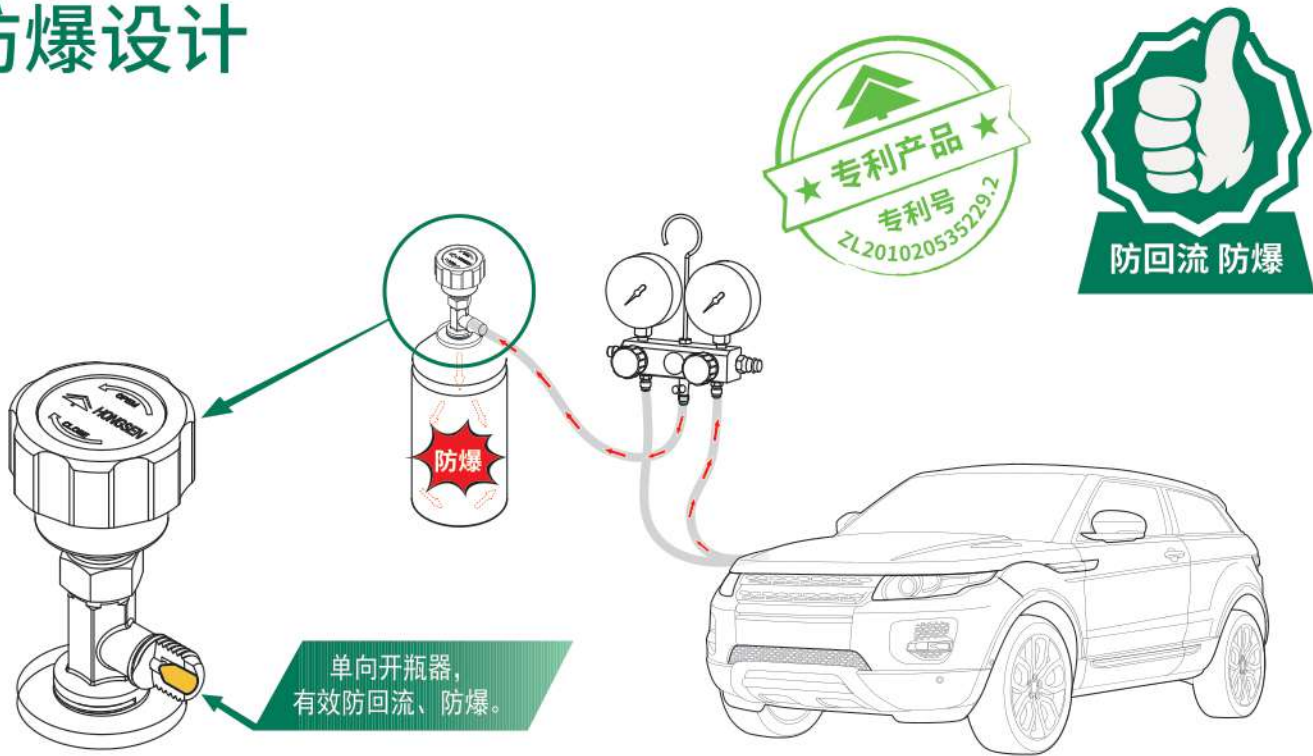
加注阀系列



产品特点 Product Characteristics

- 手轮Knob**
- 符合人体功能学的铝制手轮, 舒适耐用
Gentle and comfortable aluminium knob
- 防回流设计non-return design**
- 防止制冷剂倒流, 防爆
prevent refrigerant from return back, burst proof

开瓶器A系列 CAN TAP VALVE 防爆设计



选型 Model selection



HS-338A	HS-339A	HS-340A
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选型表 Model selection				
型号 Model	适用制冷剂 Refrigerants	接口A Connector A	接口B Connector B	类型 Type
HS-338A	R22	M12×1.25	1/4 SAE	顶针型 pin type
HS-339A	R134a	M14×1.25	1/4 SAE	顶针型 pin type
HS-340A	通用 universal refrigerants	通用 general type	1/4 SAE	顶针型 pin type

开瓶器系列 CAN TAP VALVE

产品特点 Product Characteristics

经济实用
economical and practical

选型 Model selection



HS-338/HS-339	HS-341	HS-340
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选型表 Model selection				
型号 Model	适用制冷剂 Refrigerants	接口A Connector A	接口B Connector B	类型 Type
HS-338	R22	M12×1.25	1/4 SAE	顶针型 pin type
HS-339	R134a	M14×1.25	1/4 SAE	顶针型 pin type
HS-341	R22 R134a R410A	7/16-28UNF	1/4 SAE	顶杆型 stem type
HS-340	通用 universal refrigerants	通用 general type	1/4 SAE	顶针型 pin type

空调加液阀
Refrigerant Charging Control Valve

产品特点 Product Characteristics

- 手轮 Knob
- 铝制手轮，舒适耐用
 - Aluminum knob, comfortable and durable
-
- 安全可靠，节能环保
 - Safe and reliable, energy saving and environmental protection



选型 Model selection



HS-1221	HS-1222	HS-1223
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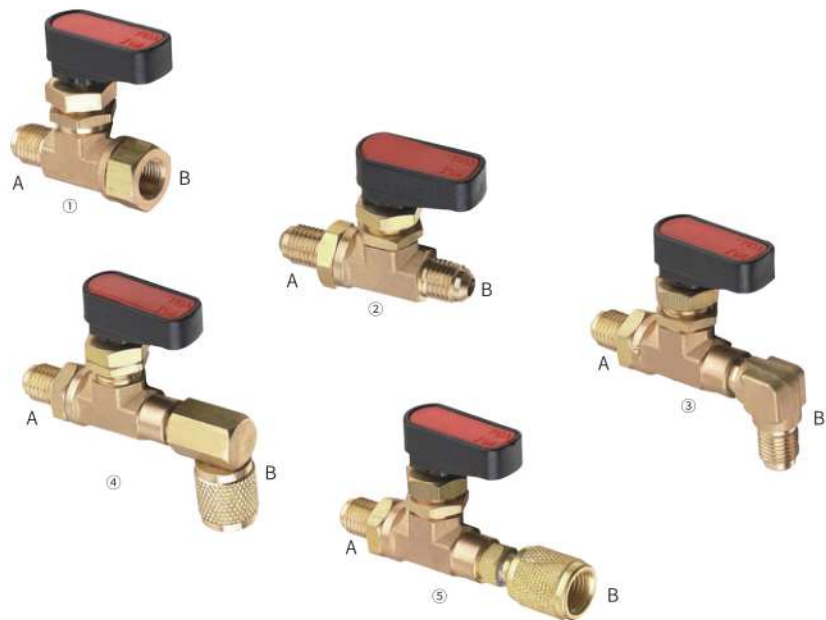
选型表 Model selection				
型号 Model	适用制冷剂 Refrigerants	接口A Connector A	接口B Connector B	类型 Type
HS-1221	R410A R32	5/16 SAE(内)(female)	1/4 SAE	顶杆型 stem type
HS-1222	R22 R404A R407C	1/4 SAE(内)(female)	1/4 SAE	顶杆型 stem type
HS-1223	R410A R32	5/16 SAE(内)(female)	5/16 SAE	顶杆型 stem type
备注: 1/2ACME, 1/2ACME反牙, 5/16SAE反牙等特殊螺纹皆可接受定制 Remarks: Special threads such as 1/2ACME, 1/2ACME left-handed, 5/16SAE left-handed, etc. can be customized				

小球阀 BALL SHUT OFF VALVE

产品特点 Product Characteristics

- 一体式结构, 性能稳定
- 双重密封, 安全可靠
- 改性PTFE密封材质, 适用多种制冷剂
- Integrated copper valve structure,, stable performance
- Double sealing, safe and reliable
- Modified PTFE sealing material, suitable for a variety of refrigerants

选型 Model selection



选型表 Model selection				
型号 Model	分组 Group	适用制冷剂 Refrigerants	接口A Connector A	接口B Connector B
1320-01	①	R22 R134a R502 R404A R407C R410A	1/4 SAE M	1/8 NPT F
1320-05	②		1/4 SAE M	1/4 SAE M
1320-06			5/16 SAE M	1/4 SAE M
1320-11	④	R22 R134a R502 R404A R407C R410A	5/16 SAE M	1/4 SAE F 90°
1320-07			1/4 SAE M	1/4 SAE F 90°
1320-09			1/4 SAE M	5/16 SAE F 90°
1320-14			5/16 SAE M	5/16 SAE F 90°

选型表 Model selection				
型号 Model	分组 Group	适用制冷剂 Refrigerants	接口A Connector A	接口B Connector B
1320-08	③	R22 R134a R502 R404A R407C R410A	1/4 SAE M	1/4 SAE M 90°
1320-13			5/16 SAE M	5/16 SAE M 90°
1320-02	⑤		1/4 SAE M	1/4 SAE F
1320-03			1/4 SAE M	5/16 SAE F
1320-04			1/4 SAE M	3/8 SAE F
1320-10			5/16 SAE M	1/4 SAE F
1320-12			5/16 SAE M	5/16 SAE F

备注: 1/2ACME, 1/2ACME反牙, 5/16SAE反牙等特殊螺纹皆可接受定制
Remarks: Special threads such as 1/2ACME, 1/2ACME left-handed, 5/16SAE left-handed, etc. can be customized

SCHRADER
VALVE REMOVER

气门芯装卸工具



气门芯装卸工具 SCHRADER VALVE REMOVER

产品特点 Product Characteristics

- HS-1430 / HS-1424**
 - 接口可灵活转换
 - 工作中可装卸阀芯
 - The connector can be flexibly converted
 - Assemble and disassemble valve core under running condition of refrigeration system
- HS-1431**
 - 可双头使用
 - 筒便实用
 - Both ends can be used
 - Simple and practical

选型 Model selection

		
HS-1430	HS-1424	HS-1431

选型表 Model selection		
型号 Model	接口 Connector	适用工况 Working Condition
HS-1430	1/4 SAE & 5/16 SAE	5V1
HS-1424	1/4 SAE & 5/16 SAE & R134a	5V1
HS-1431	通用 General	5V1 & 6V1

注油器 OIL INJECTOR

产品特点 Product Characteristics

- 1/2ACME, 1/2ACME反牙, 5/16SAE反牙等特殊螺纹皆可接受定制
 - 单向充注, 有效防回流
 - 为系统充注荧光试剂和冷冻油
-
- Special threads such as 1/2ACME, 1/2ACME left-handed, 5/16SAE left-handed, etc. can be customized
 - One-way filling, effectively preventing backflow
 - Filling the fluorescent reagents and refrigerant oil for system

选型 Model selection

	
HS-1416	HS-1417

选型表 Model selection		
型号 Model	接口 Connector	容积 Capacity
HS-1416	1/4 SAE	70ml
HS-1417	1/4 SAE	14ml

莹光加液器 FLUORESCENT LIQUID FILLER

产品特点 Product Characteristics

- 1/2ACME, 1/2ACME反牙, 5/16SAE反牙等特殊螺纹皆可接受定制
- 为系统充注荧光试剂和冷冻油
- Special threads such as 1/2ACME, 1/2ACME left-handed, 5/16SAE left-handed, etc. can be customized
- Filling the fluorescent reagents and refrigerant oil for system



选型表 Model selection			
型号 Model	接口A Connector A	接口B Connector B	容积 Capacity
HS-1418	1/4 SAE	1/4 SAE	60ml

清洗瓶 A/C FLUSH CLEANER

产品特点 Product Characteristics

- 软管连接, 使用轻便灵活
- 深度清洗冷凝器和蒸发器
- 超压自动排泄, 安全可靠
- Flexible hose connection, easy to use
- Can clean the condenser and evaporator deeply
- Automatic discharge of overpressure, safe and reliable



选型表 Model selection			
型号 Model	接口 Connector	工作压力 Working Pressure	容积 Capacity
HS-1415R	1/4 SAE	1Mpa	1000ml

割刀 CUTTER

产品特点 Product Characteristics

- 开度可调, 使用轻便灵活
- 合金刀片, 经久耐用
- 刀口锋利, 毛刺少
- Adjustable opening, easy to use
- Durable alloy blade,
- Sharp edge, less burr

选型 Model selection



HS-T28	HS-T42
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选型表 Model selection	
型号 Model	尺寸 Size
HS-T28	Φ3-Φ28
HS-T42	Φ4-Φ42

冷媒瓶 CYLINDER

产品特点 Product Characteristics

Cylinder valve

- 一体式铜阀结构, 安全可靠
- 改性PTFE密封垫, 性能优越
- 安全泄压, 2.8MPa-5.5MPa可调节
- 两个接口为高压(液态), 低压(汽态)
- 铜管长度可接受定制
- Integrated brass valve structure, safe and reliable
- Modified PTFE gasket, superior performance
- Safe pressure relief, adjustable from 2.8MPa-5.5MPa
- Two connectors: high pressure (liquid) and low pressure (vapor)
- The length of brass pipe can be customized

Cylinder 12L / 30L

- 可重复使用
- 安全泄压, 2.8MPa-5.5MPa可调节
- 两个接口为高压(液态), 低压(汽态)
- Reusable
- Safe pressure relief, adjustable from 2.8MPa-5.5MPa
- Two connectors: high pressure (liquid) and low pressure (vapor)

选型 Model selection



Cylinder valve	Cylinder 12L / 30L
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选型表 Model selection			
型号 Model	接口A Connector A	接口B Connector B	适用工质 Refrigerants
钢瓶阀 Cylinder valve	PZ27.8	1/4SAE	R22/R134a/R404A/R407C/R410A

型号 Model	尺寸 Size
冷媒瓶 12L Cylinder 12L	1/4 SAE
冷媒瓶 30L Cylinder 30L	1/4 SAE

铜配件系列 BRASS FITTINGS

钠子 Nut

- 优质铜合金锻制而成
- 接口齐全
- Forged from high-quality copper alloy
- Complete connectors



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

钠子 Nut

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

双接头Union connector

- 优质铜合金
- 接口齐全
- High quality copper alloy
- Complete connectors



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

双接头 Union connector

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

转换接头 Adapter

- 优质铜合金
- 卡簧结构, 环保
- High quality copper alloy
- Circlip structure, environmental protection



转换接头 Adapter	接口A Connector A	接口B Connector B
R22转换接头 R22 Adapter	1/4 SAE(内) 1/4 SAE(female)	5/16 SAE(外) 5/16 SAE(male)
R410A转换接头 R410 Adapter	5/16 SAE(内) 5/16 SAE(female)	1/4 SAE(外) 1/4 SAE(male)

转换接头 Adapter

- 优质铜合金
- High quality copper alloy



转换接头 Adapter	接口A Connector A	接口B Connector B
小表接头 Adapter	1/2 ACME(内) 1/2 ACME(female)	1/4 SAE (外) 1/4 SAE (male)

铜配件系列 BRASS FITTINGS

铜封环 Copper sealing ring

- 优质铜合金
- 接口齐全
- High quality copper alloy
- Complete connectors



铜封环 Copper sealing ring

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

铜封帽 Copper cap

- 优质铜合金
- 接口齐全
- High quality copper alloy
- Complete connectors



铜封帽 Copper cap

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

毛细管带钠子 Capillary tube with nut

- 优质铜合金
- 焊接结构, 牢固可靠
- 接口, 长度可接受定制
- High quality copper alloy
- Welding structure, firm and reliable
- Connector and length can be customized



毛细管带钠子 Capillary tube with nut	长度 Length	接口 Connector
HS-1350	1M	1/4 SAE
HS-1351	1.5M	1/4 SAE
HS-1352	2M	1/4 SAE