



**Making Your Job More Enjoyable**



## MISSION OF VALUE — VALUE CREATES VALUE

Empower smart work,  
Forge bright future,  
VALUE creates value!



We provide our customers with innovative and qualitative solutions of refrigeration tools and vacuum systems to help them succeed, and to advance technologies.

## WHO IS VALUE

VALUE is the leader of global air conditioner refrigeration tools dedicated to refrigeration tools and vacuum solutions. Over the past 20 years, the Company has kept technological innovation, and explored cutting-edge technologies concerning air conditioner refrigeration tools with the purpose of offering innovative and quality products, services and system solutions to users, and helping customers complete tasks in a more easier way.

The annual production capacity is 600,000 for rotary-vane vacuum pumps and 80,000 recovery unit. Right now, Value has become the largest manufacturer of refrigeration vacuum pump, recovery unit and tools in the world.

### Global leader

in refrigeration tools and vacuum solutions

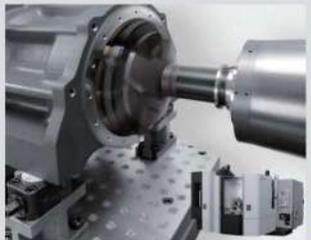
## VISION OF VALUE

To be the leader in solutions of refrigeration tools and vacuum system.

- Global Market
- Leading Technology
- One of the best

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### High quality manufacturing

VALUE is fully equipped with modernized processing and testing instruments, such as Japanese Multi-Tasking machining center, Japanese DMG Mori Seiki horizontal machining center, Japanese OKUMA- BYJC vertical machining center, German WENZEL three coordinates measuring equipment, etc. We carry out ERP data management and lean production management system.

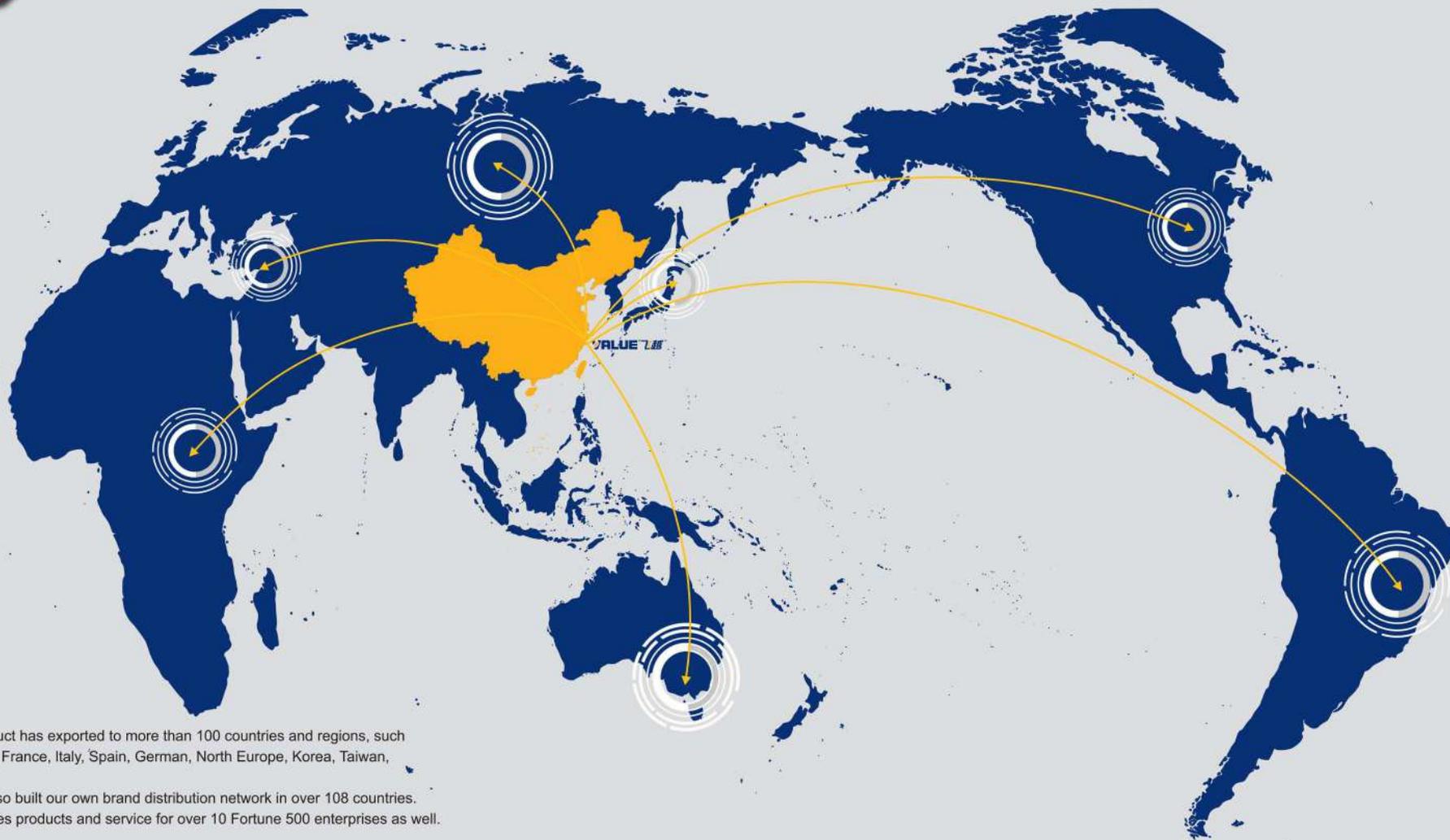


### Precision measure industry benchmark

Our products are qualified with world's most advanced quality level. We have European CE, American UL, Canada CSA safety certificates and German TUV ISO9001: 2015 certificate. And we also own product failure analysis lab, the constant temperature and humid workshop, new product trial center.



## GLOBAL BRAND CHANNELS



VALUE's product has exported to more than 100 countries and regions, such as US, Japan, France, Italy, Spain, German, North Europe, Korea, Taiwan, Brazil, etc.  
VALUE has also built our own brand distribution network in over 108 countries.  
VALUE provides products and service for over 10 Fortune 500 enterprises as well.





the mission of VALUE. VALUE Helps customers to accomplish work easier, efficiently and with high process of the user's pain point, experience the user's experience, we developed high reliability series machine, enjoyable series pipe tools and precision measuring instrument series, provides a full range of tools for customers, help customers more easily complete maintenance work of air conditioning

Lead Quality, Best Experience.  
Making your work more enjoyable

**VALUE**  
VALUE Creates Value

Making Your Job More Enjoyable



**VALUE** *Creates Value*

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# Hi VALUE

## Digital Platform

### Smart Future, Smarter Work

### Making Your Job More Enjoyable !



#### Bluetooth Connectivity

Enables full-link data interaction between device-to-device and device-to-mobile, allowing real-time status monitoring and equipment control.



#### Data Management

An intelligent platform that integrates data collection, monitoring, analysis, and visualized management into a unified system.



#### Smart Services

The app consolidates product manuals, instructional videos, and FAQs to provide one-stop support.



#### Chart Sharing

Supports custom task creation, auto-generates professional reports, and allows one-click download/sharing to enhance collaborative efficiency.



Compatible with Hi VALUE App

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## Evacuation/Charging Recovery System

Vacuum Pump	03
Recovery Unit	21
Manifold Gauge	29
Refrigerant Hose	48
Refrigerant Scale	55
Refrigerant Valve	56





# VP8DS VP8DSV Smart Vacuum Pump

**NEW**



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Vacuum Gauge Compartment



Digital Interface



Automatic Control Valve



Dual-Stage



Bluetooth Connectivity



## Smart Evacuation

### Oil Health Test Mode for Effective Evacuation

- One-touch oil check in 60 seconds
- Improved oil change practice
- Save money, save time, save environment

### Set It and Forget It

- Preset vacuum and decay targets
- Automatic decay testing with on-screen results
- Solenoid valve for vacuum preservation

### Remote Vacuum Gauge

- True system vacuum measurement
- Vacuum gauge can be used standalone
- Automatic evacuation and decay test

### Dual-Stage

- High ultimate vacuum
- Reliable performance

### Bluetooth Connectivity

- Works wirelessly with Hi VALUE App & VMV1S Vacuum Gauge
- On-pump readings

### Easy to Use

- Built-in vacuum gauge storage
- Lifting hook
- Prevent oil backflow

Model	VP8DS	VP8DSV
Power Supply	230V~50-60Hz	230V~50-60Hz
Flow Rate	8 CFM	8 CFM
	226 L/min	226 L/min
Ultimate Vacuum	Partial Pressure 2x10 <sup>-1</sup> Pa	2x10 <sup>-1</sup> Pa
	Total Pressure 15 micron	15 micron
Pump Design	Dual-stage	Dual-stage
Motor Power	3/4 HP	3/4 HP
Inlet Port	1/4", 3/8", 1/2" SAE	1/4", 3/8", 1/2" SAE
Oil Capacity	426 ml	426 ml
Dimension	355x127x298 mm	355x127x298 mm
Weight	12.5 kg	12.7 kg
Vacuum Gauge	/	VMV1S Vacuum Gauge



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# VRP-2DLi/2SLi Li-battery Vacuum Pump

Suit for R32, 1234yf

The cordless vacuum pump VRP-2DLi, designed with high performance lithium batteries, is designed to allow constant vacuum pumping for 50 minutes; Lightweight design that enables the product to be carried to workplace very conveniently; Smart motor drives the product to achieve a faster vacuum pumping and higher ultimate vacuum with a lighter weight; At the same time, the product configured with the ball valve switch, it can be closed more easily after completing the vacuum pumping operation, Leading Technology, Superior quality, Best Experience

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Contemporary *Good* Design



MINI Mini Design



Forced oil cycling system  
High reliability



Ball Valve Switch



High-performance  
Lithium Battery



DC Motor

18V LITHIUM 5.0 Ah



Easy-to-use & portable

## Lithium-powered, Portable and Light

### DC Motor

- Lighter weight, more powerful, Faster evacuation

### High Performance Lithium Battery

- Dual Stage Running time reaches 50 minutes
- Single Stage Running time reaches 75 minutes

### Mini Design

- Easy-to-use & portable

### Ball Valve Switch

- Easy operation, better experience
- Easy-to-turn off

### Big Sight Glass

- Easy-to-see
- Ensuring high-reliability operation

Model	VRP-2DLi	VRP-2SLi
Flow Rate	2.0 CFM	2.0 CFM
Ultimate Vacuum	Partial Pressure 0.3 Pa	2 Pa
	Total Pressure 23 micron	150 micron
Pump Design	Dual-stage	Single-stage
Inlet Port	1/4" SAE	1/4" SAE
Oil Capacity	180 ml	180 ml
Battery	18V 5Ah	18V 5Ah
Running time	50 min	75 min
Dimensions	233x90x190 mm	233x90x190 mm
Weight	3.2 kg	2.7 kg



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## VRP-4DLi

Li-battery Vacuum Pump  
Suit for R32, 1234yf



### Cordless • Powerful • Convenient

#### DC Motor

- Lighter weight, more powerful, Faster evacuation

#### High Performance Lithium Battery

- Running time reaches 50 minutes

#### Mini Design

- Easy-to-use & portable

#### Ball Valve Switch

- Easy operation, better experience
- Easy-to-turn off

#### Big Sight Glass

- Easy-to-see
- Ensuring high-reliability operation

Model	VRP-4DLi	
Flow Rate	4.0 CFM 114 L/min	
Ultimate Vacuum	Partial Pressure	2x10 <sup>-1</sup> Pa
	Total Pressure	15 micron
Pump Design	Double-stage	
Inlet Port	1/4", 3/8" SAE	
Oil Capacity	260 ml	
Battery	18V 9Ah	
Running time	50 min	
Dimensions	316x112x242 mm	
Weight	7 kg	



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## VRP-6DLi

Cordless Vacuum Pump

**NEW**



### Cordless • Powerful • Convenient

#### Faster Evacuation w/ Increased Capacity

- 6 CFM with large oil tank
- Residential and light commercial applications

#### Automatic Power Management

- Optimized battery performance
- Extended operation up to 1 hour

#### Brushless DC Technology

- Light weight at 9.6 kg
- Highly efficient

#### Compact Design

- Easy to carry
- Easy to store

#### Dual-Stage

- High ultimate vacuum down to 15 microns

#### Other Features

- Backflow prevention check valve
- Isolation valve & Lifting hook

Model	VRP-6Li	
Li-ion Battery	VB918, 18V, 9Ah	
Flow Rate	6 CFM 170 L/min	
Ultimate Vacuum	Partial Pressure	2x10 <sup>-1</sup> Pa
	Total Pressure	15 micron
Pump Design	Dual-stage	
Motor Power	1/2 HP	
Inlet Port	1/4", 3/8", 1/2" SAE	
Oil Capacity	417 ml	
Dimension	355x127x255 mm	
Weight	9.6 kg	
Accessory	Carry Bag, VB918 Battery, VAC-1 Battery Charger, Oil Bottle (Oil Not Supplied)	

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## VRP-6D<sup>i</sup>/8D<sup>i</sup> Smart Vacuum Pump



### Smart Control Technology

#### DC Technology

- Lighter
- More efficient

#### Smart Control

- Extended evacuation for better vacuum
- Automatic control
- Task reminder

#### Vacuum Measurement Technology

- Precise micron measurement
- Vacuum display

#### Twin Cylinder

- Higher ultimate vacuum

#### Automatic Control Valve

- Prevent oil back flow
- Preserve vacuum

Model	VRP-6D	VRP-8D
Flow Rate	6.0 CFM	8.0 CFM
	170 L/min	226 L/min
Ultimate Vacuum	Partial Pressure 2x10 <sup>-3</sup> Pa	2x10 <sup>-3</sup> Pa
	Total Pressure 15 micron	15 micron
Pump Design	Dual-stage	Dual-stage
Motor Power	3/4 HP	3/4 HP
Inlet Port	1/4", 3/8" SAE	1/4", 3/8" SAE
Oil Capacity	600 ml	600 ml
Dimensions	346x145x302 mm	346x145x302 mm
Weight	11.5 kg	11.5 kg

Suit for R32, 1234yf, R410A, R22, R134a refrigerant & etc.

## VRP-6DV/8DV Vacuum Pump



### Accurate/Efficient

#### Built-in Solenoid Valve

- Preserve vacuum during power failure
- Prevent oil back flow

#### Embedded Vacuum Gauge

- Precision/Anti-Shock

#### DC Technology

- Lighter
- More efficient

#### Precision Manufacturing

- More reliable

Model	VRP-6DV	VRP-8DV
Flow Rate	6.0 CFM	8.0 CFM
	170 L/min	226 L/min
Ultimate Vacuum	Partial Pressure 2x10 <sup>-3</sup> Pa	2x10 <sup>-3</sup> Pa
	Total Pressure 15 micron	15 micron
Pump Design	Dual-stage	Dual-stage
Motor Power	3/4 HP	3/4 HP
Inlet Port	1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity	600 ml	600 ml
Dimensions	346x145x302 mm	346x145x302 mm
Weight	11.5 kg	11.5 kg

Suit for R32, 1234yf, R410A, R22, R134a refrigerant & etc.



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# VRP-12D/15D Vacuum Pump



**Anti-suckback** Built-in automatic anti-suckback valve

## Double Speed, Super Vacuum Performance

### Industrial Grade Design

- High Quality, Super High Vacuum
- High Evacuation Performance

### DC Motor

- Light, Fast

### Integrated Dual Stage Pump

- High Vacuum Level

### Oil Back Flow Prevention

- No system oil contamination during power failure

### Oil Drain Valve

- Ball valve design, Easier to drain

### Sight Glass

- Easy to see, Eliminate oil shortage

Model		VRP-12D	VRP-15D
Power Supply		230V/50-60Hz	230V/50-60Hz
Flow Rate		12.7 CFM	15 CFM
		360 L/min	420 L/min
Ultimate Vacuum	Partial Pressure	1 Pa	0.67 Pa
	Total Pressure	7.5 micron	5 micron
Pump Design		Dual-stage	Dual-stage
Motor Power		3/4 HP	3/4 HP
Inlet Port		1/4", 3/8", 1/2" SAE	1/4", 3/8", 1/2" SAE
Oil Capacity		740 ml	880 ml
Dimensions		380x135x300 mm	414x152x310 mm
Weight		13 kg	15 kg

VRP-15D Inverter drive dual-stage rotary vane vacuum pumps are used to remove air, moisture, and other non-condensables from sealed HVACR systems. The products can be used for evacuation of HVACR repair and new installations, with refrigerants including CFC, HFC, such as R-12, R-22, R-410A, R-404A, R-32, R-134A, 1234y, etc.



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# VA3-P7-EX Vacuum Pump ATEX-Certified\* A1 A2L A2 A3 R290, R600a etc.



## Safety · Reliability



### Sparkless, Ignition-Proof Design

- Conform to ATEX CSANe 22ATEX1160X
- Suitable for R290, R600a

### Dual-Stage Integrated Cylinder Design

- High ultimate vacuum
- High reliability

### Lifting Hook

- Safe & convenient for rooftop use

### Internal Check Valve

- Prevent oil backflow

### Forced Oil Circulation

- Improved efficiency and durability

Model		VA3-P7-EX
Power Supply		230V/50-60Hz
Flow Rate	50 Hz	8.0 CFM
	60 Hz	170 L/min 7.0 CFM
Ultimate Vacuum	Partial Pressure	198 L/min 2 Pa
	Total Pressure	15 micron
Pump Design		Dual stage
Motor Power		3/4 HP
Inlet Port		1/4" & 3/8" SAE
Oil Capacity		425 ml
Dimensions		346x130x287 mm
Weight		12.6 kg

\*ATEX No.: CSANe 22ATEX1160X

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## N Series

### Vacuum Pump

Suitable for R407C, R404A, R507A, R134a refrigerant



## High Reliability

### Integrated Body Structure

- Higher precision
- Higher ultimate vacuum

### Forced Oil Cycling System

- High reliability

### Large Oil Screen

- Better visibility

#### Single Stage

Model		VE115N	VE125N	VE135N	VE160N	VE180N
Flow Rate	50Hz	1.8 CFM 51 L/min	2.5 CFM 70 L/min	3.5 CFM 100 L/min	6.0 CFM 170 L/min	8.0 CFM 226 L/min
	60Hz	2.0 CFM 57 L/min	3.0 CFM 84 L/min	4.0 CFM 113 L/min	7.0 CFM 198 L/min	9.0 CFM 254 L/min
Ultimate Vacuum	Partial Pressure	2 Pa	2 Pa	2 Pa	2 Pa	2 Pa
	Total Pressure	150 micron	150 micron	150 micron	150 micron	150 micron
Power		1/4 HP	1/4 HP	1/3 HP	1/2 HP	3/4 HP
Inlet Port		1/4" SAE	1/4" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity		250 ml	250 ml	250 ml	415 ml	660 ml
Dimensions		290x124x224 mm	290x124x224 mm	318x124x234 mm	338x138x244 mm	395x145x257 mm
Weight		6.6 kg	7.1 kg	8.0 kg	9.9 kg	14.6 kg

#### Dual Stage

Model		VE215N	VE225N	VE245N	VE260N	VE280N	VE2100N
Flow Rate	50Hz	1.5 CFM 42 L/min	2.5 CFM 70 L/min	4.5 CFM 128 L/min	6.0 CFM 170 L/min	8.0 CFM 226 L/min	10.0 CFM 283 L/min
	60Hz	1.8 CFM 50 L/min	3.0 CFM 84 L/min	5.0 CFM 142 L/min	7.0 CFM 198 L/min	9.0 CFM 254 L/min	12.0 CFM 340 L/min
Ultimate Vacuum	Partial Pressure	2x10 <sup>-1</sup> Pa					
	Total Pressure	15 micron					
Power		1/4 HP	1/3 HP	1/2 HP	3/4 HP	1 HP	1 HP
Inlet Port		1/4" SAE	1/4" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity		200 ml	200 ml	325 ml	580 ml	500 ml	590 ml
Dimensions		308x124x224 mm	318x124x234 mm	338x138x244 mm	395x145x257 mm	395x145x257 mm	395x145x257 mm
Weight		7.5 kg	8.5 kg	10.4 kg	15.8 kg	16.2 kg	16.7 kg

## N Series

### Vacuum Pump

Suitable for R407C, R404A, R507A, R134a refrigerant



## High Reliability

### Integrated Body Structure

- Higher precision
- Higher ultimate vacuum

### Forced Oil Cycling System

- High reliability

### Large Oil Screen

- Better visibility

#### Dual Stage

Model		VE215ND	VE225ND	VE245ND
Flow Rate	50Hz	1.5 CFM 42 L/min	2.5 CFM 70 L/min	4.5 CFM 128 L/min
	60Hz	1.8 CFM 50 L/min	3.0 CFM 84 L/min	5.0 CFM 142 L/min
Ultimate Vacuum	Partial Pressure	2x10 <sup>-1</sup> Pa	2x10 <sup>-1</sup> Pa	2x10 <sup>-1</sup> Pa
	Total Pressure	15 micron	15 micron	15 micron
Power		1/4 HP	1/3 HP	1/2 HP
Inlet Port		1/4" SAE	1/4" SAE	1/4" & 3/8" SAE
Oil Capacity		200 ml	200 ml	325 ml
Dimensions		318x124x234 mm	318x124x234 mm	338x138x244 mm
Weight		8.5 kg	8.5 kg	10.4 kg

Model		VE260ND	VE280ND	VE2100ND
Flow Rate	50Hz	6.0 CFM 170 L/min	8.0 CFM 226 L/min	10.0 CFM 283 L/min
	60Hz	7.0 CFM 198 L/min	9.0 CFM 254 L/min	12.0 CFM 340 L/min
Ultimate Vacuum	Partial Pressure	2x10 <sup>-1</sup> Pa	2x10 <sup>-1</sup> Pa	2x10 <sup>-1</sup> Pa
	Total Pressure	15 micron	15 micron	15 micron
Power		3/4 HP	1 HP	1 HP
Inlet Port		1/4" & 3/8" SAE	1/4" & 3/8" SAE	1/4" & 3/8" SAE
Oil Capacity		500 ml	500 ml	590 ml
Dimensions		395x145x257 mm	395x145x257 mm	395x145x257 mm
Weight		15.8 kg	16.2 kg	16.7 kg



# I Series

## New Refrigerant Vacuum Pump

Suitable for R410A, R407c, R134a, R12, R22 refrigerant



# R32 Series

## Vacuum Pump

Suitable for R32, 1234yf refrigerant



## High Reliability

### Integrated Body Structure

- Higher precision
- Higher ultimate vacuum

### High Precision Vacuum Gauge

- More precise

### Solenoid Valve

- Absolutely prevent backflow

### Large Oil Screen

- Better visibility

## High Reliability

### Electronic Starter Enclosed Switch

- Explosion-proof design

### Anti-backflow Solenoid Valve

- Preventing pump oil backflow from contaminating the vacuum system

### Built-in Vacuum Gauge

- Built-in vacuum gauge prevents damage by impact

### Integrated Body Structure

- Higher precision
- Higher ultimate vacuum

### Large Oil Screen

- Better visibility



Electronic starter, closed switch to make the system explosion-proof

### Single Stage

Model	V-i120SV	V-i140SV	V-i160SV	V-i180SV
Flow Rate	50Hz	1.8 CFM 51 L/min	3.5 CFM 100 L/min	5.0 CFM 142 L/min
	60Hz	2.0 CFM 57 L/min	4.0 CFM 113 L/min	6.0 CFM 170 L/min
		7.0 CFM 198 L/min	8.0 CFM 226 L/min	
Ultimate Vacuum	Partial Pressure	2 Pa	2 Pa	2 Pa
	Total Pressure	150 micron	150 micron	150 micron
Power	1/4 HP	1/3 HP	1/2 HP	3/4 HP
Inlet Port	1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE
Oil Capacity	250 ml	250 ml	415 ml	660 ml
Dimensions	290x124x255 mm	316x124x265 mm	338x138x275 mm	395x145x318 mm
Weight	6.7 kg	8.6 kg	10.3 kg	15.4 kg

### Single Stage

Model	V-i120-R32	V-i125-R32	V-i140-R32	V-i160-R32	V-i180-R32
Flow Rate	50Hz	1.8 CFM 51 L/min	2.5 CFM 70 L/min	3.5 CFM 100 L/min	5.0 CFM 142 L/min
	60Hz	2.0 CFM 57 L/min	3.0 CFM 84 L/min	4.0 CFM 113 L/min	6.0 CFM 170 L/min
		8.0 CFM 226 L/min			
Ultimate Vacuum	Partial Pressure	2 Pa	2 Pa	2 Pa	2 Pa
	Total Pressure	150 micron	150 micron	150 micron	150 micron
Power	1/4 HP	1/4 HP	1/3 HP	1/2 HP	3/4 HP
Inlet Port	1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE
Oil Capacity	250 ml	250 ml	250 ml	415 ml	660 ml
Dimensions	290x124x223 mm	290x124x223 mm	316x124x237 mm	338x138x249 mm	395x145x282 mm
Weight	6.7 kg	7.2 kg	8.6 kg	10.3 kg	15.4 kg

### Dual Stage

Model	V-i220SV	V-i240SV	V-i260SV	V-i280SV
Flow Rate	50Hz	1.8 CFM 51 L/min	3.5 CFM 100 L/min	5.0 CFM 142 L/min
	60Hz	2.0 CFM 57 L/min	4.0 CFM 113 L/min	6.0 CFM 170 L/min
		7.0 CFM 198 L/min	8.0 CFM 226 L/min	
Ultimate Vacuum	Partial Pressure	2x10 <sup>-1</sup> Pa	2x10 <sup>-1</sup> Pa	2x10 <sup>-1</sup> Pa
	Total Pressure	15 micron	15 micron	15 micron
Power	1/3 HP	1/2 HP	3/4 HP	1 HP
Inlet Port	1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE
Oil Capacity	200 ml	325 ml	580 ml	500 ml
Dimensions	316x124x265 mm	338x138x275 mm	395x145x318 mm	395x145x318 mm
Weight	9.0 kg	11.0 kg	16.6 kg	17.0 kg

### Dual Stage

Model	V-i220-R32	V-i240-R32	V-i260-R32	V-i280-R32
Flow Rate	50Hz	1.8 CFM 51 L/min	3.5 CFM 100 L/min	5.0 CFM 142 L/min
	60Hz	2.0 CFM 57 L/min	4.0 CFM 113 L/min	6.0 CFM 170 L/min
		8.0 CFM 226 L/min		
Ultimate Vacuum	Partial Pressure	2x10 <sup>-1</sup> Pa	2x10 <sup>-1</sup> Pa	2x10 <sup>-1</sup> Pa
	Total Pressure	15 micron	15 micron	15 micron
Power	1/3 HP	1/2 HP	3/4 HP	1 HP
Inlet Port	1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE
Oil Capacity	200 ml	325 ml	580 ml	500 ml
Dimensions	316x124x237 mm	338x138x249 mm	395x145x262 mm	395x145x262 mm
Weight	9.0 kg	11.0 kg	16.6 kg	17.0 kg



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## V-i2120

R32 Only Vacuum Pump  
Suitable for R32, 1234yf refrigerant



## VPO-46

Vacuum Pump Oil



Large oil screen  
Better visibility

High efficiency motor



## High Reliability

### High Efficiency Motor

- More efficient
- Higher ultimate vacuum

### Large Oil Screen

- Better visibility

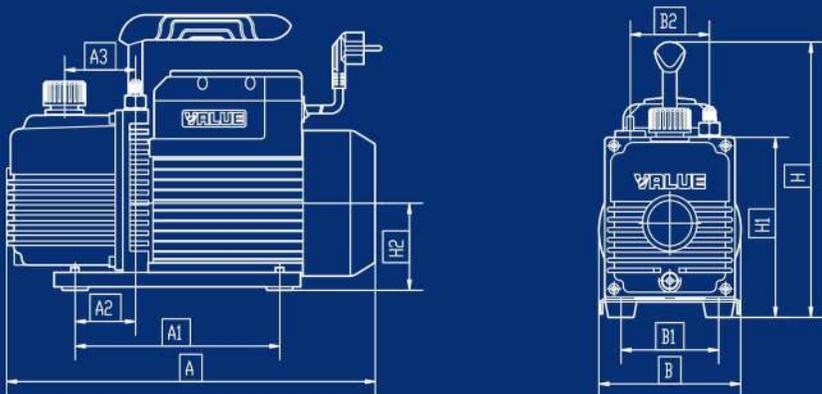
Model	V-i2120
Flow Rate	12 CFM 340 L/min
Partial Pressure	2x10 <sup>-3</sup> Pa
Total Pressure	15 micron
Power	1 HP
Inlet Port	1/4" & 3/8" SAE
Oil Capacity	500 ml
Dimensions	345x135x280 mm
Weight	11.5 kg

Model	VPO-46
Kinematic viscosity(40°C)	41.4-50.6mm <sup>2</sup> /s
Viscosity Index	110
Flash Point	240°C
Pour Point	-10°C
Capacity	230ml, 280ml, 330ml, 500ml
Type	Mineral Oil

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# Vacuum Pump Selection



Unit:mm

Model	A	A1	A2	A3	B	B1	B2	H	H1	H2
VE115N	290	118	30	50	124	76	-	224	141	71
VE125N	290	118	30	50	124	76	-	224	141	71
VE135N	318	144	40	61	124	84	68	234	154	76
VE160N	338	144	40	61	138	84	74	244	166	78
VE180N	395	174	66	85	145	99	74	257	179	86
VE215N	308	118	30	50	124	76	-	224	141	71
VE225N	318	144	40	61	124	84	68	234	154	76
VE245N	338	144	40	61	138	84	74	244	166	78
VE260N	395	174	66	85	145	99	74	257	179	86
VE280N	395	174	66	85	145	99	74	257	179	86
VE2100N	395	174	66	85	145	99	74	257	179	86

# Vacuum Pump Selection

## Select by refrigerant

As for the vacuum supply of new refrigeration plants, vacuum pump with anti-backstreaming valve should be adopted. Otherwise there will be risk of backstreaming into the compressor, polluting and destroying the refrigerant ingredients, and influencing the refrigeration effect. i series pump could ensure high reliability.

Vacuum pump selection	I Series pump	N Series pump			R32 Series pump
Refrigerant	R410A	R407C	R22	R22	R32 1234yf
		R404A	R12	R12	
		R507A	R502	R502	
		R134a	R500	R500	

## Select by pumping rate

The pumping rate of vacuum pump is generally indicated by L/min. The operation time is directly related to the pumping rate.

Vacuum pump selection	60~120L/min	180~240L/min	180~240L/min
Applicable machines	Household refrigerator	Central air conditioner	Central air conditioner
	Household air conditioner (below 5 Hp)	Large household air conditioner	Large refrigeration storage
	Car air conditioner	Bus air conditioner	

## Select by vacuum degree

Vacuum degree appears as Pa/micron. Higher vacuum degree is represented by smaller figures.

Vacuum pump selection	Single-stage vacuum pump	Double-stage vacuum pump
Vacuum degree	2 Pa/150micron	2x10 <sup>4</sup> Pa/15micron
Applicable machines	Household air conditioner	Central air conditioner
	Car air conditioner	Large and medium-sized refrigeration storage
	Refrigerator	



## VPD-16/24/30

### Power Series Vacuum Pump

#### Higher ultimate vacuum

We did individual analysis on special applications such as medical industry. Because large amount of corrosive gas and vapor needs to be pumped, we used stainless spring, fluorubber oil seal and etc. to upgrade our product, which ensures the pump to run reliably.



#### VRD-16/24/30 Options



Model		VRD-16	VRD-24	VRD-30
Displacement speed (m <sup>3</sup> /h)	50 Hz	16	24	30
	60 Hz	19.2	28.8	36
Ultimate partial pressure gas ballast close		4x10 <sup>-2</sup> Pa	4x10 <sup>-2</sup> Pa	4x10 <sup>-2</sup> Pa
Ultimate total pressure gas ballast close		4x10 <sup>-1</sup> Pa	4x10 <sup>-1</sup> Pa	4x10 <sup>-1</sup> Pa
Ultimate total pressure gas ballast open		8x10 <sup>-1</sup> Pa	8x10 <sup>-1</sup> Pa	8x10 <sup>-1</sup> Pa
Power supply		single/3-ph	single/3-ph	single/3-ph
Power rating(kw)		0.75kW/0.55kW	1.1kW/0.75kW	1.1kW
Inlet and exhaust DN		KF25	KF25/40	KF25/40
Oil capacity(L)		0.9-1.5L	1.3-2.0L	1.3-2.0L
Motor speed (rpm)	50 Hz	1440	1440	1440
	60 Hz	1720	1720	1720
Ambient temperature		10-40°C	10-40°C	10-40°C
Noise level (dB)		≤ 58dB	≤ 58dB	≤ 58dB
Weight(Kg)		33kg	38kg	37kg

## VP2120/2200

### Power Series Vacuum Pump

#### Higher ultimate vacuum



Model		VP2120	VP2200
Displacement speed (m <sup>3</sup> /h)	50 Hz	20	36
	60 Hz	24	43
Ultimate partial pressure gas ballast close		4x10 <sup>-2</sup> Pa	4x10 <sup>-2</sup> Pa
Ultimate total pressure gas ballast close		4x10 <sup>-1</sup> Pa	4x10 <sup>-1</sup> Pa
Ultimate total pressure gas ballast open		8x10 <sup>-1</sup> Pa	8x10 <sup>-1</sup> Pa
Power supply		single/3-ph	single/3-ph
Power rating(kw)		0.75/0.55kW	1.1/0.75kW
Inlet and exhaust DN		7/16"-20UNF	7/16"-20UNF
Oil capacity(L)		0.5-1.5L	1.3-2.0L
Motor speed (rpm)	50 Hz	1440	1440
	60 Hz	1720	1720
Ambient temperature		10-40 °C	10-40 °C
Noise level (dB)		≤ 58dB	≤ 58dB
Weight(kg)		37kg	41kg



# VRR12N/24N

Recovery Unit

**NEW**

**A2L**  
COMPATIBLE



Large fan

DC Brushless Motor

3-row oversized condenser

2-cylinder

Only **8.9** <sup>VRR12N</sup> kg

## Light · Fast

### Light

- Only 8.9 kg (VRR12N)
- Only 9.2 kg (VRR24N)

### Fast and Efficient Recovery

- 2-Cylinder
- 3-row oversized condenser
- Large fan

### DC Brushless Motor

- Lighter, faster

Model	VRR12N(single-cylinder)	VRR24N(2-Cylinder)					
Refrigerant	Category III: R-12, R-134a, R-1234YF, R-401C, R-408A, R-500 Category IV: R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A, R-409A, R-502, R-509 Category V: R-143A, R-32, R-402A, R-404A, R-407A, R-407B, R-410A, R-454B, R-507						
Power Supply	220-240V~50/60Hz						
Motor	Brushless DC motor 1HP						
Motor Speed	3000 rpm						
Maximal Current Draw	5 A	7.5 A					
Compressor	Oil-less, Air-cooled, Piston style						
Automatic Safety Shut-Off	38.5bar/3850kPa(558psi)						
Recovery Rate (kg/min)	Categories III	Categories IV	Categories V	Categories III	Categories IV	Categories V	
	Vapor	0.22	0.28	0.28	0.44	0.55	0.55
	Liquid	1.76	1.98	2.42	3.30	3.85	3.85
	Push/Pull	5.06	6.16	6.93	8.25	9.35	10.45
Operating Temperature	0°C-40°C						
Dimensions	310×240×245 mm						
Weight	8.9 kg	9.2 kg					

# VRDDF Recovery Unit

ATEX-Certified\*

**A1 A2L A2 A3**

R290, R600a etc.

**A2L**  
COMPATIBLE



Sparkless Power Supply

Oil-Free Compressor

Brushless DC Technology



ATEX-Certified

## Safety · Reliability

### Designed for R290, R600a

- Design reference to UL 121201, CSA C22.2 No. 213 and EN 60079-7 Standards

### Fast and Efficient Recovery

- Brushless DC motor
- Twin cylinder with 2-row oversized condenser

### Large Backlit Display

- Easy-to-read large LCD display
- Backlit for clarity

### Oil-Free Compressor

- Suitable for all commonly used refrigerants

### Purge Function

- Prevent mixing of various refrigerants

### IP54 Design

- Tested to be waterproof and dustproof

Model	VRDDF			
Refrigerant	Categories III: R12, R134a, R401C, R500, 1234yf, R600a Categories IV: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509, R290 Categories V: R402A, R404A, R407A, R407B, R410A, R507, R32, R507			
Power Supply	220-240V~50/60Hz	115V/60Hz		
Motor	Brushless DC motor 1HP			
Motor Speed	3000 rpm			
Maximal Current Draw	6.5 A	12 A		
Compressor	Oil-less, Air-cooled, Piston style			
Automatic Safety Shut-Off	38.5bar/3850kPa(558psi)			
Recovery Rate (kg/min)	Categories III	Categories IV	Categories V	
	Vapor	0.43	0.54	0.54
	Liquid	3.60	4.00	4.20
	Push/Pull	7.50	8.50	9.50
Operating Temperature	0 °C-40 °C			
Dimensions	370×250×297 mm			
Weight	11 kg			

\*ATEX No.: CSANe 22ATEX1032X



Making Your Job More Enjoyable

# VRR24M-C

Recovery Unit



Digital display

Oil free compressor

One key operation

Self-purge function

DC brushless Motor



Double condenser

## Light • Fast

### DC brushless Motor

- Faster recovery
- Lighter

### Oil-free Compressor

- Suitable for all commonly used refrigerants

### Better Visibility

- Easy to read large LCD display
- Backlit display for clarity

### Self-purge Function

- Prevent mixing of various refrigerants

### Micro Channel Condenser

- Fast recovery
- Better cooling performance compare to traditional condenser

Model	VRR24M-C		
Refrigerant	Categories III : R12, R134a, R401C, R500, 1234yf Categories IV : R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Categories V : R402A, R404A, R407A, R407B, R410A, R507, R32		
Power Supply	220-240V~50/60Hz	115V~60Hz	
Motor	Brushless DC motor 1HP		
Motor Speed	3000 rpm		
Maximal Current Draw	6.5 A	12 A	
Compressor	Oil-less, Air-cooled, Piston style		
Automatic Safety Shut-Off	38.5bar/3850kPa(558psi)		
Recovery Rate (kg/min)	Categories III	Categories IV	Categories V
	Vapor	0.54	0.54
	Liquid	3.60	4.20
	Push/Pull	7.50	8.50
Operating Temperature	0 °C-40 °C		
Dimensions	370×250×297 mm		
Weight	11 kg		



Making Your Job More Enjoyable

# VRR36C4

Recovery Unit



Digital Backlit Display

Oil-Free Compressors

3 High-Speed Cooling Fans

Purge Function

Brushless DC Technology

## 4-Cylinder

## Fastest • Most Powerful

### 4-Cylinder

- More powerful

### Super-Efficient Condenser

- Over-sized micro-channel condenser
- 3 cooling fans

### Brushless DC Motor

- More efficient

### Large Digital Display

- Easy-to-read large LCD display
- Backlit for clarity

### Dual Oil-Free Compressors

- Suitable for all commonly used refrigerants

Model	VRR36C4		
Refrigerant	Categories III : R12, R134a, R401C, R500, 1234yf Categories IV : R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Categories V : R402A, R404A, R407A, R407B, R410A, R507, R32		
Power Supply	220-240V~50/60Hz	115V~50/60Hz	
Motor	Brushless DC motor 1.5HP		
Motor Speed	3000 rpm		
Maximal Current Draw	8.5 A	12 A	
Compressor	Oil-less, Air-cooled, Piston style		
Automatic Safety Shut-Off	38.5bar/3850kPa(558psi)		
Recovery Rate (kg/min)	Categories III	Categories IV	Categories V
	Vapor	0.55	0.73
	Liquid	4.20	5.78
	Push/pull	8.10	9.00
Operating Temperature	0 °C-40 °C		
Dimensions	410×275×300 mm		
Weight	19 kg		

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# VRR12L-R32 VRR12LOS-R32

L Series Recovery Unit



- Built in pressure gauge
- One key operation
- Self-purge function
- Oil free compressor
- Cooling fan

## Light • Fast

### One Key Operation

- Easy to use

### High Pressure Protection

- Safe to use

### Oil-free Compressor

- Suitable for all commonly used refrigerants

### Self-purge Function

- Prevent mixing of various refrigerants

Model	VRR12L-R32	VRR12LOS-R32					
Refrigerant	Categories III : R12, R134a, R401C, R500, 1234fy Categories IV : R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Categories V : R402A, R404A, R407A, R407B, R410A, R507, R32						
Power Supply	220V-240V~/50-60Hz	115V~/60Hz	220V-240V~/50-60Hz	115V~/60Hz			
Motor	3/4 HP	3/4 HP	3/4 HP	3/4 HP			
Motor Speed	1450rpm/1750rpm	1750rpm	1450rpm/1750rpm	1750rpm			
Maximal Current Draw	4 A	8 A	4 A	8 A			
Compressor	Oil-less, Air-cooled, Piston style						
Automatic Safety Shut-Off	38.5bar/3850kPa(558psi)						
Recovery Rate (kg/min)	Categories III		Categories IV	Categories V	Categories III	Categories IV	Categories V
	0.20		0.25	0.25	0.20	0.25	0.25
	1.60		1.80	2.20	1.60	1.80	2.20
	4.60		5.60	6.30	4.60	5.60	6.30
Operating Temperature	0 °C-40 °C						
Dimensions	450*250*355 mm						
Weight	13.0 kg		14.2 kg				



# VRR24L-R32 VRR24LOS-R32

L Series Recovery Unit



- Built in pressure gauge
- One key operation
- Self-purge function
- Oil free compressor
- Cooling fan

## Light • Fast

### One Key Operation

- Easy to use

### Twin Cylinder

- Faster recovery

### Oil-free Compressor

- Suitable for all commonly used refrigerants

### Self-purge Function

- Prevent mixing of various refrigerants

### High Pressure Protection

- Safe to use

Model	VRR24L-R32	VRR24LOS-R32					
Refrigerant	Categories III : R12, R134a, R401C, R500, 1234fy Categories IV : R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Categories V : R402A, R404A, R407A, R407B, R410A, R507, R32						
Power Supply	220V-240V~/50-60Hz	115V~/60Hz	220V-240V~/50-60Hz	115V~/60Hz			
Motor	1 HP	1 HP	1 HP	1 HP			
Motor Speed	1450 rpm/1750 rpm	1750 rpm	1450 rpm/1750 rpm	1750 rpm			
Maximal Current Draw	5 A	10 A	5 A	10 A			
Compressor	Oil-less, Air-cooled, Piston style						
Automatic Safety Shut-Off	38.5bar/3850kPa(558psi)						
Recovery Rate (kg/min)	Categories III		Categories IV	Categories V	Categories III	Categories IV	Categories V
	0.40		0.50	0.40	0.40	0.50	0.50
	3.00		3.50	3.50	3.00	3.50	3.50
	7.50		8.50	9.50	7.50	8.50	9.50
Operating Temperature	0°C-40°C						
Dimensions	450*250*355 mm						
Weight	13.5 kg		14.7 kg				



# VRR12L VRR12L-OS

L Series Recovery Unit



## Light • Fast

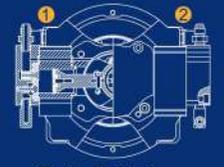
- One Key Operation**
  - Easy to use
- Self-purge Function**
  - Prevent mixing of various refrigerants
- Oil-free Compressor**
  - Suitable for all commonly used refrigerants

- High Pressure Protection**
  - Safe to use

Model	VRR12L	VRR12L-OS					
Refrigerant	Categories III : R12, R134a, R401C, R500 Categories IV : R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Categories V : R402A, R404A, R407A, R407B, R410A, R507						
Power Supply	220-240V~/50-60Hz	115V~/60Hz	220V-240V~/50-60Hz	115V~/60Hz			
Motor	3/4 HP	3/4 HP	3/4 HP	3/4 HP			
Motor Speed	1450 rpm/1750 rpm	1750 rpm	1450 rpm/1750 rpm	1750 rpm			
Maximal Current Draw	4 A	8 A	4 A	8 A			
Compressor	Oil-less, Air-cooled, Piston style						
Automatic Safety Shut-Off	38.5bar/3850kPa(558psi)						
Recovery Rate (kg/min)		Categories III	Categories IV	Categories V	Categories III	Categories IV	Categories V
	Vapor	0.20	0.25	0.25	0.20	0.25	0.25
	Liquid	1.60	1.80	2.20	1.60	1.80	2.20
	Push/Pull	4.60	5.60	6.30	4.60	5.60	6.30
Operating Temperature	0°C-40°C						
Dimensions	400*250*355 mm						
Weight	13.0 kg		14.2 kg				

# VRR24L VRR24-OS

L Series Recovery Unit



## Light • Fast

- One Key Operation**
  - Easy to use
- Self-purge Function**
  - Prevent mixing of various refrigerants
- Oil-free Compressor**
  - Suitable for all commonly used refrigerants

- High Pressure Protection**
  - Safe to use

Model	VRR24L	VRR24L-OS					
Refrigerant	Categories III : R12, R134a, R401C, R500 Categories IV : R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Categories V : R402A, R404A, R407A, R407B, R410A, R507						
Power Supply	220-240V~/50-60Hz	115V~/60Hz	220V-240V~/50-60Hz	115V~/60Hz			
Motor	1 HP	1 HP	1 HP	1 HP			
Motor Speed	1450 rpm/1750 rpm	1750 rpm	1450 rpm/1750 rpm	1750 rpm			
Maximal Current Draw	5 A	10 A	5 A	10 A			
Compressor	Oil-less, Air-cooled, Piston style						
Automatic Safety Shut-Off	38.5bar/3850kPa(558psi)						
Recovery Rate (kg/min)		Categories III	Categories IV	Categories V	Categories III	Categories IV	Categories V
	Vapor	0.40	0.50	0.40	0.50	0.50	0.50
	Liquid	3.00	3.50	3.50	3.00	3.50	3.50
	Push/Pull	7.50	8.50	9.50	7.50	8.50	9.50
Operating Temperature	0°C-40°C						
Dimensions	450*250*355 mm						
Weight	13.5 kg		14.7 kg				



Making Your Job More Enjoyable

## VRM2-X

NEXT Generation Digital Manifold Gauge with HD Color Graphic Interface

**NEW**



**72** in 1

## Industry-First HD Color Graphic Manifold Gauge

### Cutting-Edge Graphic User Interface (UI)

- Convert data into visuals with enhanced UI
- Visual impact and animation
- Outstanding clarity and readability

### Ideal to Replace Multiple Analog Gauges

- One gauge for 72 refrigerants
- Save money, save space, save time

### Digital and Accurate

- Class 0.4 accuracy
- Quick response with real-time display
- Precision at a glance

### Rechargeable Lithium Battery

- Up to 100 hours battery life
- Auto power off (APO)

### Aluminum Body with 1/4 Turn Ball Valve

- Impact-resistant rubber cover
- IP54 rating

### Easy to Use

- One-knob operation
- Hidden hook design, easy to transport

Model	VRM2-X
Refrigerant Type	R-11, R-12, R-13, R-22, R-23, R-32, R-113, R-114, R-115, R-116, R-123, R-124, R-125, R-134a, R-236fa, R-245fa, R-290, R-401A, R-401B, R-402A, R-402B, R-403B, R-404A, R-406A, R-407A, R-407B, R-407C, R-408A, R-409A, R-410A, R-413A, R-414A, R-414B, R-416A, R-417A, R-417C, R-420A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-427A, R-428A, R-434A, R-437A, R-438A, R-448A, R-449A, R-450A, R-452A, R-452B, R-453A, R-454B, R-458A, R-500, R-501, R-502, R-503, R-507A, R-508B, R-513A, R-600, R-600a, R-601, R-601a, R-744*, R-1233zd, R-1234yf, R-1234ze *Maximum pressure: 725 psi (5000 kPa)
Pressure Range	-29.0 inHg to 725 psi
Power Supply	Rechargeable 3000mAh Lithium Battery
Accessory	Carry Case



Making Your Job More Enjoyable

## VRM-2S VRM-2SV

Smart Digital Manifold Gauge

**NEW**



## Smart and Precise

### Smart and Wireless

- Work with HI VALUE App
- Bluetooth connections with temp clamps & micron gauge (sold separately)

### Multi-Operation Modes

- Manifold mode with SH/SC display
- Pressure Test mode
- Evacuation mode

### Digital and Accurate

- Class 0.4 accuracy with digital display
- Precision at a glance

### Aluminum Body w/ 1/4 Turn Ball Valve

- Reliable, efficient and durable
- Better work experience

### Folding Hook

- Hidden hook design
- Easy to transport

### Impact-Resistant

- Impact-resistant design
- Durable rubber cover

Model	VRM-2S	VRM-2SV
Refrigerant Type	R-11, R-12, R-13, R-22, R-23, R-32, R-113, R-114, R-115, R-116, R-123, R-124, R-125, R-134A, R-236fa, R-245fa, R-290, R-401A, R-401B, R-402A, R-402B, R-403B, R-404A, R-406A, R-407A, R-407B, R-407C, R-408A, R-409A, R-410A, R-413A, R-414A, R-414B, R-416A, R-417A, R-417C, R-420A, R-421A, R-421B, R-422A, R-422B, R-422C, R-422D, R-424A, R-427A, R-428A, R-434A, R-437A, R-438A, R-448A, R-449A, R-450A, R-452A, R-452B, R-453A, R-454B, R-458A, R-500, R-501, R-502, R-503, R-507A, R-508B, R-513A, R-600, R-600a, R-601, R-601a, R-744*, R-1233zd, R-1234yf, R-1234ze Firmware can be updated at VALUE website or with HI VALUE App *Maximum pressure: 725 Psi (5000 kPa)	
Pressure Range	-30 inHg to 725 psi	
Bluetooth Range	80 m line of sight	
Power Supply	Rechargeable Li-Ion Battery	
Accessory	Bluetooth Temperature Clamps VMT-1S (Low Side), VMT-2S (High Side), Charging Cable, Carry Case	VMV1S Micron Gauge in addition to the VRM-2S Kit

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# VRM2-0101i

Digital Manifold Gauge



# VRM2-B-0401

Manifold Gauge



## Precision / Impact-Resistant

### Accurate

- Precision pressure gauge with Class 0.4 accuracy

### Ball Valve Handle

- Efficient, convenient, easy
- Better work experience

### Impact-Resistant

- Impact-resistant design
- Durable rubber cover

### Folding Hook

- Hidden hook design, easy to transport

### Digital Display

- Easy to read

Model	VRM2-0101i
Refrigerants	R22, R134a, R1234yf, R290, R404A, R407C, R410A, R32, R507
Pressure Scale	-30 inHg-720 psi
Hose	Red 1/4"-5/16"; Yellow 1/4"-1/4"; Blue 1/4"-5/16" With 2 pcs adapters: Male: 5/16" SAE Female: 1/4" SAE
Standard Length	3x150 cm
Package	Blow Case

NOTICE: All information listed above is standard type, if you have other requirement, please appoint in the order.

## Precision / Impact-Resistant

### Accurate

- Precision pressure gauge with Class 1.0 accuracy

### Ball Valve Handle

- Efficient, convenient, easy
- Better work experience

### Impact-Resistant

- Impact-resistant design
- Durable rubber cover

### Folding Hook

- Hidden hook design, easy to transport

Model	VRM2-B-0401	VRM2-B-0501
Refrigerants	R22, R134a, R410A, R407C	R22, R134a, R404A, R407C
Gauge Diameter	Φ68 mm	Φ68 mm
Pressure Scale	-30 inHg ~ 800 psi; -30 inHg ~ 550 psi	-30 inHg ~ 400 psi; -30 inHg ~ 350 psi
Hose	Red 1/4"-5/16"; Yellow 1/4"-1/4"; Blue 1/4"-5/16" With 2 pcs adapters: Male: 5/16" SAE Female: 1/4" SAE	Red 1/4"-1/4"; Yellow 1/4"-1/4"; Blue 1/4"-1/4"
Standard Length	3x150 cm	3x150 cm
Package	Blow Case	Blow Case

NOTICE: All information listed above is standard type, if you have other requirement, please appoint in the order.



# VRM1-0101i

Digital Manifold Gauge



## Precision / Impact-Resistant

### Accurate

- Precision pressure gauge with Class 0.4 accuracy

### Ball Valve Handle

- Efficient, convenient, easy
- Better work experience

### Impact-Resistant

- Impact-resistant design
- Durable rubber cover

### Folding Hook

- Hidden hook design, easy to transport

### Digital Display

- Easy to read

Model	VRM1-0101i
Refrigerants	R22, R134a, R1234yf, R290, R404A, R407C, R410A, R32, R507
Pressure Scale	-30 inHg-720 psi
Hose	Red 1/4"-5/16"; Yellow 1/4"-1/4" With 1 pc adapter: Male: 5/16" SAE Female: 1/4" SAE
Standard Length	2x150 cm
Package	Blow Case

NOTICE: All information listed above is standard type, if you have other requirement, please appoint in the order.

# VRM1-B-0403

Manifold Gauge



## Precision / Impact-Resistant

### Accurate

- Precision pressure gauge with Class 1.0 accuracy

### Ball Valve Handle

- Efficient, convenient, easy
- Better work experience

### Impact-Resistant

- Impact-resistant design
- Durable rubber cover

### Folding Hook

- Hidden hook design, easy to transport

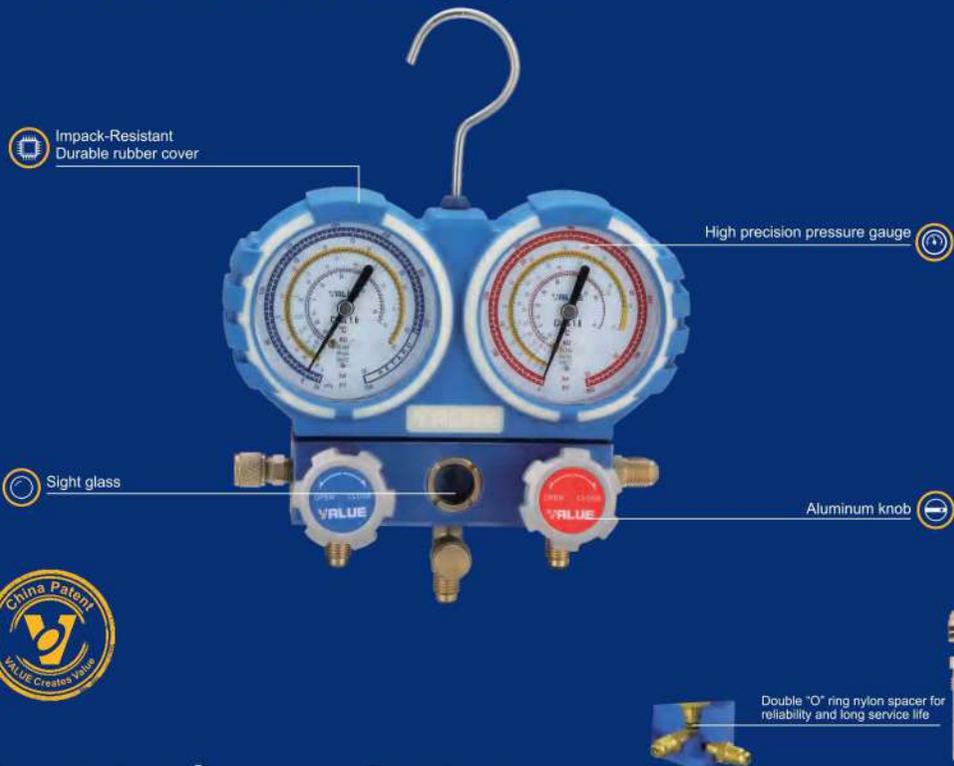
Model	VRM1-B-0403	VRM1-B-0404
Refrigerants	R22, R134a, R410A, R407C	R22, R134a, R410A, R407C
Gauge Diameter	Φ88 mm	Φ68 mm
Pressure Scale	-30 inHg ~ 800 psi;	-30 inHg ~ 550 psi;
Package	Blister packing	Blister packing

NOTICE: All information listed above is standard type, if you have other requirement, please appoint in the order.



# Manifold Gauge

Suitable for R32, R407, R410A, R134a, 1234yf refrigerant



## Precision/Impact-Resistant

### Impact-resistant

- Impact-Resistant design
- Durable rubber cover

### Accurate

- Precision pressure gauge

### Aluminum knob

- Anti corrosion

### Sight Glass

- Easily view refrigerant movement and condition during charging and recovery

Model	VMG-2-R32	VMG-2-R32-B-03	VMG-2-1234yf
Refrigerant	R32	R32, R407, R410A, R134a	1234yf
Gauge Diameter	Φ80 mm	Φ68 mm	Φ80 mm
Pressure Scale	-30inHg-800 psi; -30inHg-500 psi		-30inHg-400 psi; -30inHg-130 psi
Hose	Red&Blue: 1/4"-5/16", 2x1pc Yellow: 1/4"-1/4", 1pc	/	Red&Blue: M12X1.5 - M12X1.5, 2X1pc Yellow: M12X1.5 - 1/2" Acme, 1pc
Length	3x120 cm	/	150 cm
Package	Blow Case	Blister packing	Blow Case

# Manifold Gauge

## VMG-2-R600-B

Model	VMG-2-R600-B	VMG-2-R600-B-03
Refrigerant	R600, R600a, R290	R600, R600a, R290
Gauge Diameter	Φ68 mm	Φ68 mm
Pressure Scale	-30inHg ~ 435 psi; -30inHg ~ 130 psi	-30inHg ~ 435 psi; -30inHg ~ 130 psi
Hose	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	/
Length	120 cm	/
Package	Blow Case	Blister packing

## VMG-2-R22

Model	VMG-2-R22	VMG-2-R22-02	VMG-2-R22-03
Refrigerant	R404A, R407C, R134a, R22	R404A, R407C, R134a, R22	R404A, R407C, R134a, R22
Gauge Diameter	Φ80 mm	Φ80 mm	Φ80 mm
Pressure Scale	-30inHg ~ 400 psi; -30inHg ~ 140 psi	-30inHg ~ 400 psi; -30inHg ~ 140 psi	-30inHg ~ 400 psi; -30inHg ~ 140 psi
Hose	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	/
Length	120 cm	120 cm	/
Package	Blow Case	Blister packing	Blister packing

Model	VMG-2-R22-B	VMG-2-R22-B-02	VMG-2-R22-B-03
Refrigerant	R404A, R407C, R134a, R22	R404A, R407C, R134a, R22	R404A, R407C, R134a, R22
Gauge Diameter	Φ68 mm	Φ68 mm	Φ68 mm
Pressure Scale	-30inHg ~ 400 psi; -30inHg ~ 140 psi	-30inHg ~ 400 psi; -30inHg ~ 140 psi	-30inHg ~ 400 psi; -30inHg ~ 140 psi
Hose	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	Red&Blue&Yellow: 1/4"-1/4", 3x1 pc	/
Length	120 cm	120 cm	/
Package	Blow Case	Blister packing	Blister packing

## VMG-2-R410A

Model	VMG-2-R410A	VMG-2-R410A-02	VMG-2-R410A-03	VMG-2-R410A-04	VMG-2-R410A-05
Refrigerant	R410A	R410A, R407C, R134a, R22			R410A, R407C, R404A, R134a
Gauge Diameter	Φ80 mm				
Pressure Scale	0-800 psi; -30inHg ~ 500 psi				
Hose	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc With 2 pcs adapters	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc	/	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc
Length	150 cm				
Package	Blow case	Blow case	Blister packing	Blister packing	Blister packing

Model	VMG-2-R410A-B	VMG-2-R410A-B-02	VMG-2-R410A-B-03
Refrigerant	R410A, R407C, R134a, R22	R410A, R407C, R134a, R22	R410A, R407C, R134a, R22
Gauge Diameter	Φ68 mm	Φ68 mm	Φ68 mm
Pressure Scale	0 ~ 800 psi; -30 ~ 500 psi	0 ~ 800 psi; -30inHg ~ 500 psi	0 ~ 800 psi; -30inHg ~ 500 psi
Hose	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc	/
Standard Length	120 cm	120 cm	/
Package	Blow case	Blister packing	Blister packing

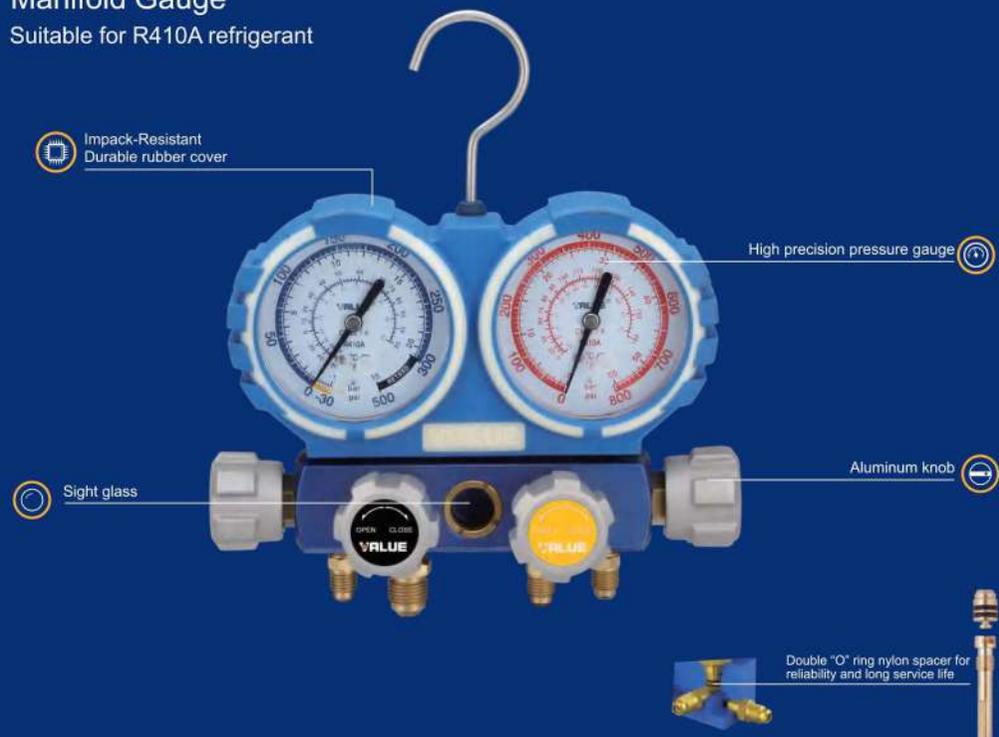
NOTICE: All information listed above is standard size, if you require other size, please appoint in the order.



# VMG-4-R410A

## Manifold Gauge

Suitable for R410A refrigerant



## Precision/Impact-Resistant

### Impact-resistant

- Impact-Resistant design
- Durable rubber cover

### Accurate

- Precision pressure gauge

### Aluminum knob

- Anti corrosion

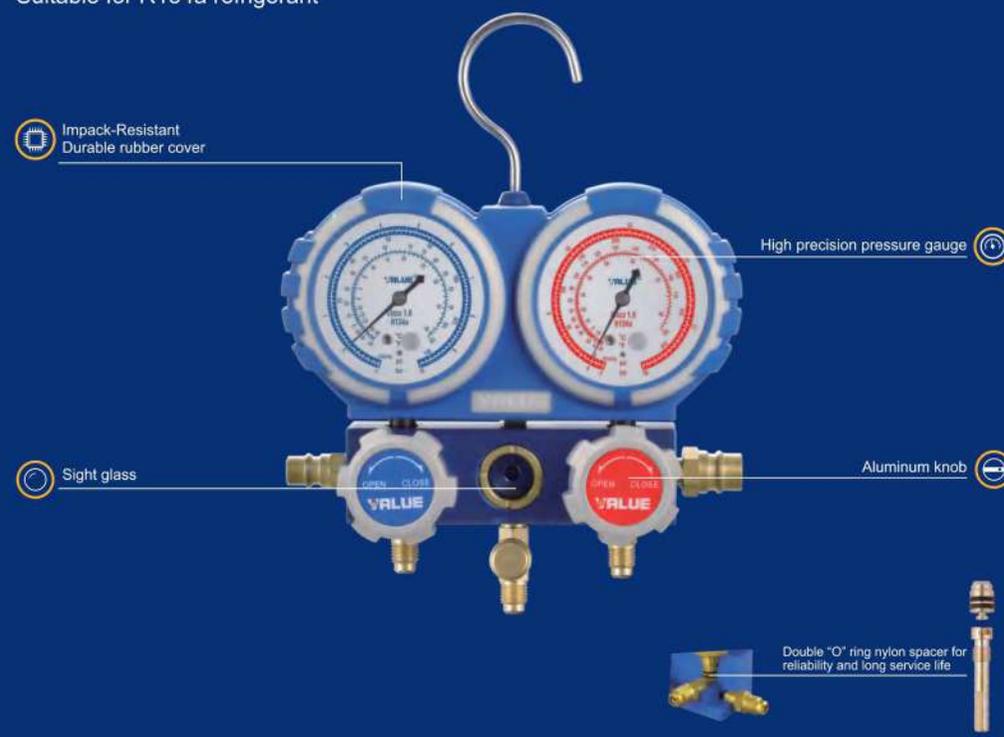
### Sight Glass

- Easily view refrigerant movement and condition during charging and recovery

Model	VMG-4-R410A
Refrigerant	R410A
Gauge Diameter	Φ80 mm
Pressure Scale	-30inHg ~ 800 psi; -30inHg ~ 500 psi
Hose	Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc Black: 3/8"-3/8", 1 pc
Length	150 cm
Package	Blow Case

# Manifold Gauge

Suitable for R134a refrigerant



## Precision/Impact-Resistant

### Impact-resistant

- Impact-Resistant design
- Durable rubber cover

### Accurate

- Precision pressure gauge

### Aluminum knob

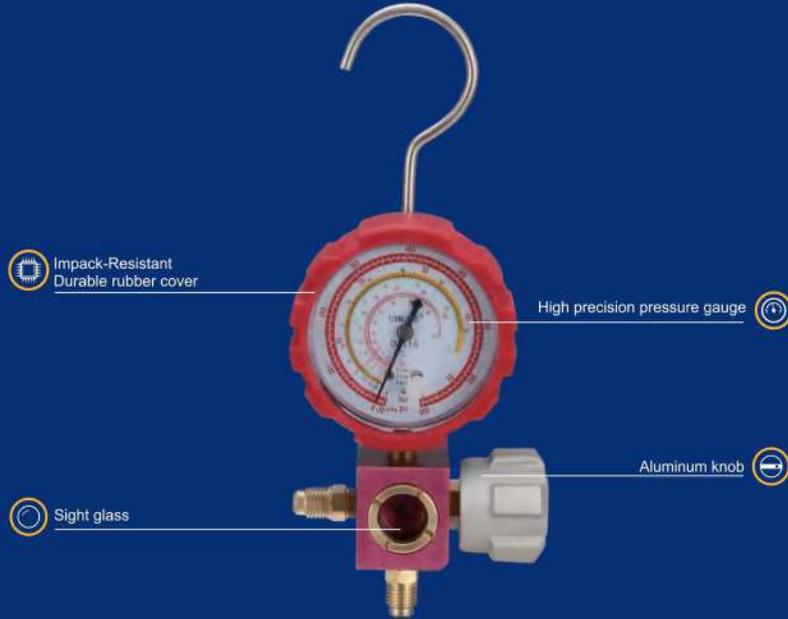
- Anti corrosion

### Sight Glass

- Easily view refrigerant movement and condition during charging and recovery

Model	VMG-2-R134a	VMG-2-R134a-B	VMG-2-R134a-02	VMG-2-R134a-B-02
Refrigerant	R134a			
Gauge Diameter	Φ80 mm	Φ68 mm	Φ80 mm	Φ68 mm
Pressure Scale	-30inHg~400 psi; -30inHg~140 psi		-30inHg ~ 400 psi; -30inHg ~ 140 psi	
Hose	Red & Blue & Yellow: 1/4"-1/4", 3x1pc		Red & Blue: 1/2"Acme, M14x1.5, 2x1pc Yellow: 1/2"Acme, 1/2"Acme, 1pc	
Length	120 cm		120 cm	
Package	Blow Case		Blow Case	
Quick Couplers	VHF-SA 1set		VHF-SB 1set	

# Single Gauge



## Precision/Impact-Resistant

### Impact-resistant

- Impact-Resistant design
- Durable rubber cover

### Accurate

- Precision pressure gauge

### Aluminum knob

- Anti corrosion

### Sight Glass

- Easily view refrigerant movement and condition during charging and recovery

Model	VMG-1-U-H	VMG-1-U-L	VMG-1-S-H	VMG-1-S-L
Gauge Diameter	Φ68 mm			
Refrigerant (Optional)	ABH/ABL	R134a		
	BBH/ABL	R22/R134a/R404A/R407C		
	CBH/CBL	R22/R134a/R410A/R407C		
	DBH/DBL	R410A		
	EBH/EBL	R404A/R134a/R410A/R407C		
	FBH/FBL	R600/R600a/R290		
Pressure Scale	-30 inHg ~ 800 psi	-30 inHg ~ 500 psi	-30 inHg ~ 800 psi	-30 inHg ~ 500 psi
Sight glass	Without		With	
Package	Blister packing			

# Pressure Gauge

High / Low Pressure Gauge	Gauge Diameter	Unit	Refrigerant	MRP NO.	Thread
	Φ68 mm	*C/*F/ Psi/Bar	R134a	342260108 342260109	NPT1/8"
	Φ68 mm	*C/Psi/Bar	R22 R134a R404A R407C	342260110 342260111	NPT1/8"
	Φ68 mm	*C/Psi/Bar	R22 R134a R410A R407C	342260112 342260113	NPT1/8"
	Φ68 mm	*C/*F/ Psi/Bar	R410A	342260114 342260115	NPT1/8"
	Φ68 mm	*C/Psi/Bar	R404A R134a R410A R407C	342260118 342260119	NPT1/8"
	Φ68 mm	Psi/Bar	R600 R600a R290	342266427 342266428	NPT1/8"
	Φ68 mm	Psi/Bar	R22 R410A R32	342260122 342260123	NPT1/8"
	Φ68 mm	Psi/Bar	R32 R134a R410A R407C	342260124 342260125	NPT1/8"



## Pressure Gauge

High / Low Pressure Gauge	Gauge Diameter	Unit	Refrigerant	MRP NO.	Thread
	Φ68mm	°C/Psi/Bar	R22 R134a R410A R407C	342260112 342260113	NPT1/8"
	Φ68mm	°C/Psi/Bar	R22 R134a R410A R407C	342266501 342266502	NPT1/8"
	Φ68mm	°C/Psi/Bar	R22 R134a R404A R407C	342266110 342266110	NPT1/8"
	Φ68mm	°C/Psi/Bar	R32 R134a R410A R407C	342266124 342266125	NPT1/8"
	Φ80 mm	°C/°F/Psi/Bar	R410A	342260101 342260102	NPT1/8"
	Φ80 mm	°C/Psi/Bar	R22 R134a R410A R407C	342260104 342260105	NPT1/8"
	Φ80 mm	°C/Psi/kg/cm <sup>2</sup>	R22 R134a R404A R407C	342260401 342260402	NPT1/8"
	Φ80 mm	°C/°F/Psi/ Bar/kg/cm <sup>2</sup>	R134a	342260405 342260406	NPT1/8"
	Φ80 mm	°C/°F/Psi/kPa	R410A	342260409 342260410	NPT1/8"

## Pressure Gauge

High / Low Pressure Gauge	Gauge Diameter	Unit	Refrigerant	MRP NO.	Thread
	Φ80 mm	°C/Bar/Psi	R404A R134a R410A R407C	342260411 342260412	NPT1/8"
	Φ80 mm	°C/°F/Psi/ Bar/kg/cm <sup>2</sup>	R32	342260413 342260414	NPT1/8"
	Φ80 mm	°C/°F/Psi/ Bar/kg/cm <sup>2</sup>	1234yf	342260415 342260416	NPT1/8"
	Φ80 mm	°C/Psi/Bar	R32 R134a R410A R407C	342260421 342260422	NPT1/8"
	Φ80mm	°C/Psi	R134a	342260407 342260408	NPT1/8"
	Φ80mm	°C/Psi/Bar	R407F R134a R442A R453A	342260419 342260420	NPT1/8"
	Φ80mm	°C/Bar/Psi	R134a R404A R448A R452A	342260437 342260438	NPT1/8"
	Φ80mm	°C/Bar/Pis	R449A R404A R448A R452A	342260441 342260442	NPT1/8"
	Φ80mm	°C/Bar/Pis	R134a R404A R449A R452A	342260445 342260446	NPT1/8"

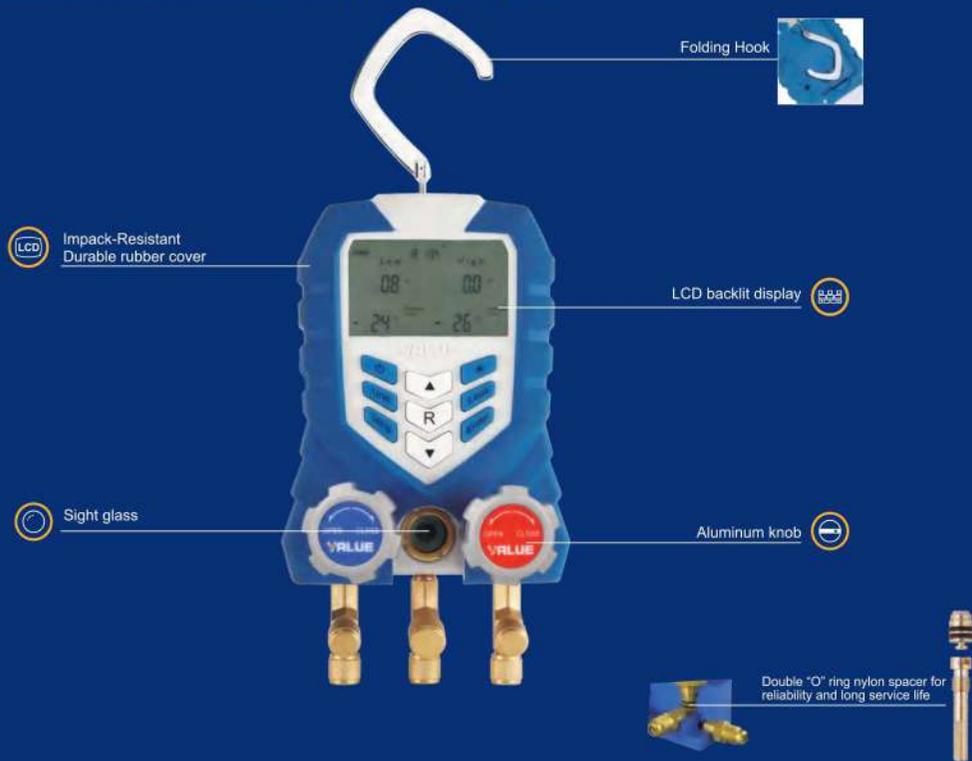


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## VDG-1

### Digital Manifold Gauge

Suitable for R32, R410A, R22, 1234yf, R134a refrigerant



## Precision/Impact-Resistant

#### Impact-resistant

- Impact-Resistant design
- Durable rubber cover

#### Accurate

- Precision pressure gauge

#### LCD Backlit Display

- Clearly display, easy to read

#### Sight Glass

- Easily view refrigerant movement and condition during charging and recovery

#### Wide Range of Application

- Suit for more than 40 refrigerants

#### Aluminum knob

- Anti corrosion

Model	VDG-1
Operating temperature	10~90% RH
Measuring range pressure	-14.5~725 psi
Net weight	1.2 kg

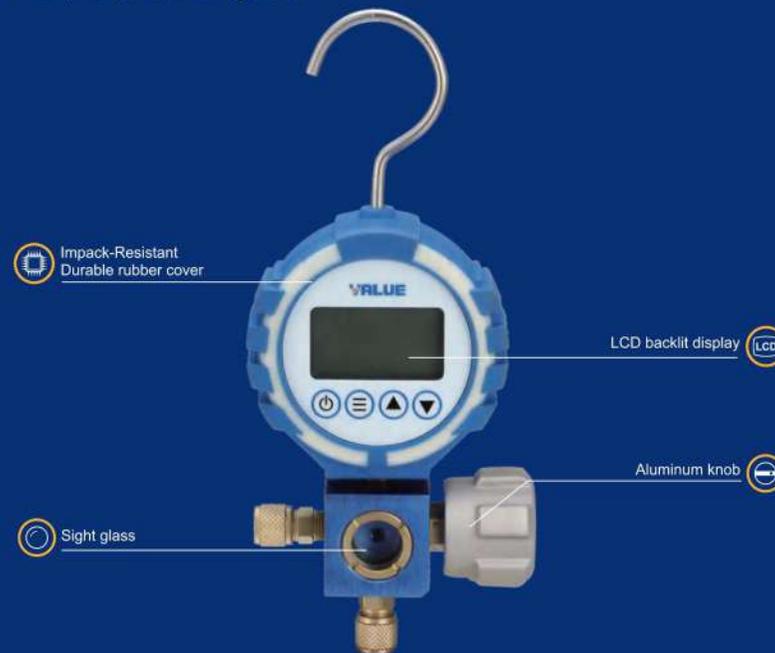


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## VDG-S1

### Digital Single Gauge

Suitable for R22, R134a, 1234yf, R290, R404A, R407C, R410A, R32, R507 refrigerant



## Precision/Impact-Resistant

#### Impact-resistant

- Impact-Resistant design
- Durable rubber cover

#### Accurate

- Precision pressure gauge

#### LCD Backlit Display

- Clearly display, easy to read

#### Sight Glass

- Easily view refrigerant movement and condition during charging and recovery

#### Wide Range of Application

- Suit for 9 refrigerants

#### Aluminum knob

- Anti corrosion

Model	VDG-S1
Refrigerant	R22, R134a, 1234yf, R290, R404A, R407C, R410A, R32, R507
Pressure display	psi bar Kpa Mpa kgf/cm <sup>2</sup>
Pressure resolution	1 psi; 0.1 bar; 10 KPa; 0.01 Mpa; 0.1 kgf/cm <sup>2</sup>
Connection	2x1/4" SAE
Power	9 V battery

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## VDG-2-S1

### Digital Manifold Gauge

Suitable for R22, R134a, 1234yf, R290, R404A, R407C, R410A, R32, R507 refrigerant



## Precision/Impact-Resistant

#### Impact-resistant

- Impact-Resistant design
- Durable rubber cover

#### Accurate

- Precision pressure gauge

#### LCD Backlit Display

- Clearly display, easy to read

#### Sight Glass

- Easily view refrigerant movement and condition during charging and recovery

#### Wide Range of Application

- Suit for 9 refrigerants

#### Aluminum knob

- Anti corrosion

Model	VDG-2-S1
Refrigerant	R22, R134a, 1234yf, R290, R404A, R407C, R410A, R32, R507
Pressure display	psi bar Kpa Mpa kgf/cm <sup>2</sup>
Pressure resolution	1 psi; 0.1 bar; 10 kPa; 0.01 Mpa; 0.1 kgf/cm <sup>2</sup>
Hose	Red & Blue: 1/4"-5/16", 2x150 cm Yellow: 1/4"-1/4", 150 cm
Power	9V*2 battery

## VDG-4-S1

### Digital Manifold Gauge

Suitable for R22, R134a, 1234yf, R290, R404A, R407C, R410A, R32, R507 refrigerant



## Precision/Impact-Resistant

#### Impact-resistant

- Impact-Resistant design
- Durable rubber cover

#### Accurate

- Precision pressure gauge

#### LCD Backlit Display

- Clearly display, easy to read

#### Sight Glass

- Easily view refrigerant movement and condition during charging and recovery

#### Wide Range of Application

- Suit for 9 refrigerants

#### Aluminum knob

- Anti corrosion

Model	VDG-4-S1
Refrigerant	R22, R134a, 1234yf, R290, R404A, R407C, R410A, R32, R507
Pressure display	psi bar Kpa Mpa kgf/cm <sup>2</sup>
Pressure resolution	1 psi; 0.1 bar; 10 kPa; 0.01 Mpa; 0.1 kgf/cm <sup>2</sup>
Hose	Red & Blue: 1/4"-5/16", 2x150 cm Yellow: 1/4"-1/4", 150 cm Black: 3/8"-3/8", 150 cm
Power	9V*2 battery

## Quick Coupler



## Quick-connect

### Easy to Use

- Automatically lock, one-step connection

### Durable

- High strength, high pressure resistance
- Long service life

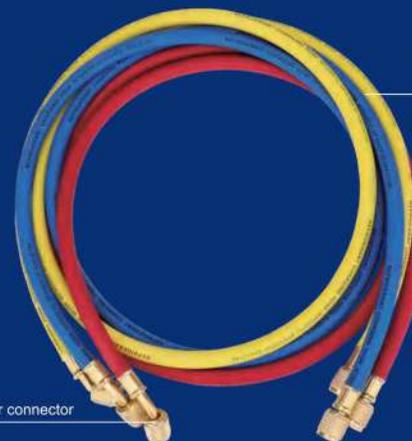
### High Oil-resistance, Anti-seeping

- 3-layer reinforce refrigerant tube, Effective avoid seeping
- Longitudinal die-casting seal, prevent leakage of connector

VHF quick couples series

Model	VHF-SA	VHF-SB	VHF-SC	VHF-SY
Description	1/4" SAE	M14 x 1.5	3/8" SAE	M12 x 1.5

## Refrigerant Hose

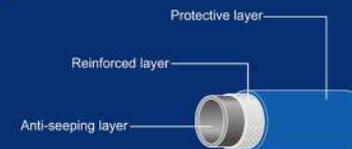


3-layer anti-seeping refrigerant hose

Pure copper connector



Check Valve



## High strength

### Wide Range of Application

- It's suit for R410A, R134a, R22, etc

### Safe and Reliable

- Rubber tube reinforced thickness 12mm, Ensure safe and reliable using

### High Oil-resistance, Anti-seep

- 3 layer reinforce refrigerant tube, Effective avoid seeping
- Pure copper connector, Longitudinal die-casting

### Check Valve

- Effectively complete the pipeline switching

Model	R410A	R134a
Working pressure	0 - 800 psi	0-500 psi
VRP-U-R	1/4"-5/16"	1/4"-1/4"
VRP-U-Y	1/4"-1/4"	1/4"-1/4"
VRP-U-B	1/4"-5/16"	1/4"-1/4"
Length	90 cm 120 cm 150 cm	

Model	R410A	R134a, R22, R12	R134a, R22, R12
Working pressure	0-800 psi	0-500 psi	0-500 psi
VRP-C-R	1/4"-5/16"	1/4"-1/4"	1/2" M14x1.5
VRP-C-Y	1/4"-1/4"	1/4"-1/4"	1/2" -1/2"
VRP-C-B	1/4"-5/16"	1/4"-1/4"	1/2" M14x1.5
Length	90 cm 120 cm 150 cm		



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## VHB-1/2

Big Boy High-Flow  
Evacuation Hoses



For best evacuation performance,  
Use VALUE VCR1 Valve Core Removal Tool

## VCR1

Valve Core Removal Tool

**2** sizes in 1 tool



## Evacuation Hose

### Fast & Efficient

- 1/2" large diameter for fast evacuation
- 4-layer construction for low permeation
- 3200 psi burst pressure, 640 psi working pressure
- Vacuum rated to 20 microns

## Fast Recovery and Evacuation

For Use With Both 1/4" and 5/16" Flare Fittings

Rated For R410A Systems

Vacuum Rated to 20 Microns

Metal Handle for Durability

Model	VHB-1	VHB-2
Length	180 cm	180 cm
Diameter	1/2"	1/2"
Fitting	3/8" - 1/4" SAE	1/2" - 1/4" SAE

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## VVO-1/2/3

Valve Opener

## VVC-1/2/3

Flow Control Valve



Safe, low leakage

Safe, low leakage

Model	VVO-1	VVO-2	VVO-3
Size	1/4"-1/4"SAE	1/4"-5/16"SAE	5/16"-5/16"SAE

Model	VVC-1	VVC-2	VVC-3
Size	1/4"-1/4"SAE	1/4"-5/16"SAE	5/16"-5/16"SAE

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## Check Valve



CV01



CV02



CV03



CV04



CV05



CV06



CV07



CV08



CV09



CV10



CV11



CV12

Item	Description	Item	Description
CV01	Male: 1/4"SAE Female: 5/16" SAE	Cv07	Male: 1/4"SAE Female: 1/4" SAE
CV02	Male: 1/4"SAE Female: 5/16" SAE 45°	CV08	Male: 5/16"SAE Female: 5/16"SAE 45°
CV03	Male: 1/4"SAE Female: 5/16" SAE 60°	CV09	Male: 5/16"SAE Female: 5/16"SAE 60°
CV04	Male: 5/16"SAE Female: 5/16" SAE	CV10	Male: 5/16"SAE Female: 1/4" SAE
CV05	Male: 1/4"SAE Female: 1/4" SAE 45°	CV11	Male: 5/16"SAE Female: 1/4"SAE 45°
CV06	Male: 1/4"SAE Female: 1/4" SAE 60°	CV12	Male: 5/16"SAE Female: 1/4" SAE 60°

## Adapter



V01



V02



V03



V04



V05



V06



V07



V08

Item	Description	Item	Description
V01	Male: 5/16"SAE 90° Female: 5/16" SAE	V05	Male: 1/4"SAE Female: 5/16" SAE
V02	Male: 1/4"SAE 90° Female: 5/16" SAE	V06	Male: 5/16"SAE Female: 1/4" SAE
V03	Male: 5/16"SAE 90° Female: 1/4" SAE	V07	Male: 1/4"SAE Female: 5/16" SAE
V04	Male: 1/4"SAE 90° Female: 1/4" SAE	V08	Male: 5/16"SAE Female: 1/4" SAE

## VRF1028/1029

### Rapid Y Connection Fitting

With it's large internal boring and flow-friendly design, VALUE's Rapid-Y facilitates significantly faster and more efficient evacuation times when connect more hoses to pump system. When it comes to the recovery process, in conjunction with VALUE's large diameter hoses and core removal tools, the Rapid-Y is the final piece in "ditching the manifold" to gain dramatic recovery speed.

Leading Technology, Superior Quality, Best Experience.

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VRF1029



VRF1028

- One-piece solid brass construction
- Vacuum rated to 20 microns
- Large internal boring for maximum flow and minimal resistance

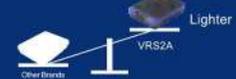
Model	Fit Configuration	Qty
VRF1028	2 x 3/8" M to 1x 3/8" FE	1 pack
VRF1029	2 x 3/8" M to 1x 1/4" FE	1 pack



# VRS2A

## Smart Refrigerant Scale

**NEW**



## Smart Refrigerant Charging & Recovery

### Bluetooth Connectivity

- Works wirelessly with Hi VALUE App and VSV1 smart valve
- Automatic charging & recovery

### Integrated Handle Design

- Easy to carry
- Handheld device included

### Precision System Charge

- Precise measurement at 0.05% accuracy
- Low latency for real-time readings

### Durability and Convenience

- Impact-resistant design
- Auto power off

### Magnesium Alloy Weighing Platform

- 3.3 lbs only

Model	VRS2A
Maximum load	100 kg
Accuracy	0.05%FS
Resolution	5 g
Battery Type	4 × AA (Scale), 4 × AAA (Handheld)
Battery Operating Time	Scale: 100 hours; Handheld device: 100 hours
Weight	2 kg
Accessory	Carry bag



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Compatible with Hi VALUE App

# VSV1

## Smart Refrigerant Valve

**NEW**



Making Your Job More Enjoyable



Compatible with Hi VALUE App



## Smart Refrigerant Flow Control

### Precision Task Management

- Automatic charging & recovery
- Fast, low-latency operation

### Bluetooth Connectivity

- Works wirelessly with Hi VALUE App and VRS2A refrigerant scale

### Smart Operation Solenoid Valve

- Status Indicator for Flow, Bluetooth Connection, and Power

### Rechargeable Lithium Battery

- Up to 60 hours battery life
- Battery indicator

### Durability and Convenience

- Impact resistant design, IP54 rating
- Compact design with folding hook

Model	VSV1
Maximum Working Pressure	551 psi (38bar)
Ports	1/12"
Operating Environment	-10-50°C
Storage Temperature	-10-50°C
Power Supply	Rechargeable 1000mAh Lithium Battery, Type-C Charging Port
Rechargeable Battery Operating Time	60 hours
Bluetooth Range	30 m
Dimensions	121×92×47.5 mm
Unit Weight	0.6 kg
Accessory	Carry bag

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**VRS-50i-01**  
**VRS-100i-01**  
Wireless Refrigerant Scale



## Precise Charging

**Wireless Bluetooth Control**

- More convenient

**Precision Sensor**

- Precision measurement
- Accuracy 0.05%

**Magnesium alloy weighing pan**

- Only 2.0Kg, easy to carry

**Large Backlit Display**

- Large screen data display, better readability

**Integrated Handle Design**

Model	VRS-50-01	VRS-100-01
Weighting range	50 kg	100 kg
Resolution	2 g	5 g
Accuracy	0.05%	0.05%
Power	4xAA, 4xAAA	4xAA, 4xAAA
Dimensions	210x260 mm	210x260 mm
Weight	2.0 kg	2.0 kg

**VRS-60i-01**  
**VRS-120i-01**  
Wireless Refrigerant Scale  
Suitable for larger size refrigerant cylinders



## Precise Charging

**Wireless Bluetooth Control**

- More convenient

**Precision Sensor**

- Precision measurement
- Accuracy 0.05%

**Larger Size Weighing Pan**

- Suitable for larger size refrigerant cylinders

**Aluminium Weighing Pan**

- High strength, High reliability
- More durable

**Large Backlit Display**

- Large screen data display, better readability

**Integrated Handle Design**

Model	VRS-60-01	VRS-120-01
Weighting range	60 kg	120 kg
Resolution	5 g	10 g
Accuracy	0.05%	0.05%
Power	4xAA, 4xAAA	4xAA, 4xAAA
Dimensions	320x270 mm	320x270 mm
Weight	4.7 kg	4.7 kg

## VES-50A/100A

Refrigerant Scale



## VES-50B/100B

Refrigerant Scale



## High Measurement

### High Precise Sensor

- Precise measurement
- High precision

### LCD Backlit Display

- Clear display, easy to read

### Compact

- Easy to carry

Model	VES-50A	VES-100A
Weighting range	50 kg	100 kg
Resolution	2 g	5 g
Accuracy	±0.05% F.S	
Display	LCD	
Power	DC 9V	
Working environment	-10°C~40°C, ≤75% Humidity	
Platform size	237×237 mm	
Weight	5 kg	

## High Measurement

### High Precise Sensor

- Precise measurement
- High precision

### LCD Backlit Display

- Clear display, easy to read

### High Precise Valve

- Quantitative filling precision control

### Compact

- Easy to carry

Model	VES-50B	VES-100B
Weighting range	50 kg	100 kg
Resolution	2 g	5 g
Accuracy	± 0.05% F.S	
Display	LCD	
Power	DC 9V/AC(100V~230V)	
Working environment	-10°C~40°C, ≤75% Humidity	
Platform size	237×237 mm	
Weight	6.5 kg	
Automatic shut-off	Yes	

## Tube Connection System

Flaring Tool	63
Tube Expander	65
Tube Bender	67
Tube Cutter	79
Tool Kit	83





## VET-19Li Cordless Flaring Tool

Weighing less than three pounds, the new Model VET-19Li Cordless Flaring Tool produces precise, automatic flares in a fraction of the time compared to traditional flaring methods. VALUE's new cordless flaring solution makes flaring faster and far simpler without sacrificing accuracy or consistency. Offering easy flare connectivity, it can create flares in five sizes, ranging from 1/4" to 3/4". Designed to perform reliably in harsh environments, the VET-19Li Cordless Flaring Tool is your ideal flaring solution for mini-split ACs and VRF systems.

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## VET-19Li Cordless Flaring Tool



**7.2V**  
LITHIUM **2.0** Ah

### Quick Accurate Flaring

#### Easy Flaring

- Lithium-driven
- One-key operation, and high efficiency

#### 45° Eccentric Design

- Point contact reaming, accurate flaring

#### Innovative Clamp

- Quick assembling
- Accurate positioning, perfect flaring

#### Comfortable Handle

- Compact structure, only 1.3 kg
- Comfortable and effortless grip

#### Long Battery Endurance

- 2000 mAh Li-Battery Available for 90 times (3/8")
- 50W rapid charging, only 35 min for fully charge

Model	VET-19Li
Battery	7.2V Li-battery
Applicable Pipe	Copper pipe
Tubing O.D.	1/4", 3/8", 1/2", 5/8" (16 mm), 3/4" (19 mm) Options (6 mm, 10 mm, 12 mm)
Dimensions	252x101x100mm
Weight	1.3 kg



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## VTE-29D/42D

### Power Tube Expander

Get the job done quickly with the VTE-29D/42D Power Tube Expander. Expand a tube in 12 seconds by pressing one button. The long-lasting rechargeable lithium battery allows up to 200 expansions on a single charge.

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## VTE-29D/42D

### Power Tube Expander



## Effortless, Quick & Accurate Expanding

- One-button operation
- Automatic pressure relief
- Quick connect heads
- Large capacity lithium battery
- Complete an expansion in 10 seconds
- Up to 220 expansions per charge
- Quick charge in 35 minutes
- Innovative head design minimizing 3/8" tube splitting
- Battery power indicator
- LED flash light

Model	VTE-29D	VTE-42D
Battery	7.2V Li-battery	7.2V Li-battery
Applicable Pipe	Copper pipe	Copper pipe
Tubing O.D.	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8" 1-1/4", 1-3/8", 1-1/2", 1-5/8"
Dimensions	209x67x249 mm	209x67x249 mm
Weight	1.5 kg	1.5 kg

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# VTB-22L Power Tube Bender

It is a tough and frustrating job for HVAC Service Techs when bending large diameter tubes, which consumes tremendous labor work while needs precise focus on bending angles. Furthermore, to get the tube out of a traditional bender mandrel is another frustrating moment. Suitable for tubing sizing 1/4" to 7/8" OD, VALUE VTB-22L saves tons of your time and labor, and makes the job much easier. By pressing a single controller switch, you can bend the tube to any desired angle. When a bend is completed, the baffle will push the tube out automatically while tool resets, helping you to remove the tube effortlessly. Its large capacity lithium battery makes around 90 bends each charge and can be fully charged in 35 minutes. Reverse bending kit VTBK is available and sold separately.

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Making Your Job More Enjoyable

# VTB-22L Power Tube Bender



7.2V LITHIUM 2.0 Ah

## Industry's First Power Tube Bender

### Battery-Driven Effortless Bending

- Powerful for large size tubing
- Push and hold for 90° bending
- Automatic tube release

### Large Lithium Battery

- Around 90 bends per charge
- Quick charge in 35 minutes

### Patented Tubing Size Selector

- 7 sizes in one selector
- Easy to switch to different tubing size setting

### Other Features

- Quick connect mandrel and crossbar
- Battery power indicator

### Easy Operation

- Ergonomic handle design
- Stop any time for customized angles

Model	VTB-22L
Battery Type	7.2V 2Ah 14.4Wh
Tubing Type	Soft (HVACR) Copper
Tube OD	1/4"(6mm), 5/16"(8mm), 3/8"(10mm), 1/2"(12mm), 5/8"(16mm), 3/4"(19mm), 7/8"(22mm)
Weight	2.8 kg (with battery)
Accessory	Carry Case

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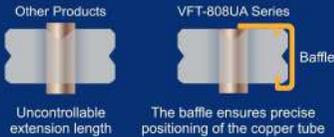
## VFT-808UA Series

Flaring Tool

**NEW**



Only **0.6kg**



## Easy Tube Flaring

- |  |   |  |
|--|---|--|
| <p><b>Light</b></p> <ul style="list-style-type: none"> <li>Lightweight Aluminum Body</li> </ul>            | <p><b>Accurate Flaring</b></p> <ul style="list-style-type: none"> <li>Sliding Limit Stop Design ensures more precise flaring dimensions of the copper tube</li> </ul> | <p><b>45°Eccentric design</b></p> <ul style="list-style-type: none"> <li>Point contact flare, dimension standard, easy to use</li> </ul> |
| <p><b>Annular Rivet Connection</b></p> <ul style="list-style-type: none"> <li>Precise of flared</li> </ul> | <p><b>Advanced hardness</b></p> <ul style="list-style-type: none"> <li>The mandrel surface is treated with a special process to be more durable</li> </ul>            |  |

Model	Tubing O.D.	Accessory
VFT-808UA-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/
VFT-808UA-MI	1/4", 5/16", 3/8", 1/2", 5/8", 3/4" 6, 9, 10, 12, 16, 19mm	/
VFT-808UA-MIS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4" 6, 9, 10, 12, 16, 19mm	VTC-32

## VFT-808E Series

Hand or Drill-Powered  
Flaring Tool



## Accurate Flaring

- |   |  |  |
|---|--|--|
| <p><b>Hand or Drill-Powered</b></p> <ul style="list-style-type: none"> <li>Easy to use</li> </ul>     | <p><b>Axial Spacing</b></p> <ul style="list-style-type: none"> <li>Accurate and consistent flaring</li> </ul>                            | <p><b>Annular Rivet Connection</b></p> <ul style="list-style-type: none"> <li>Precise of flared</li> </ul> |
| <p><b>Lightweight</b></p> <ul style="list-style-type: none"> <li>Lightweight Aluminum Body</li> </ul> | <p><b>45°Eccentric design</b></p> <ul style="list-style-type: none"> <li>Point contact flare, dimension standard, easy to use</li> </ul> |  |

Model	Tubing O.D.	Accessory	Packaging
VFT-808E-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808E-MI	6, 8, 10, 12, 16, 19 mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808E-IS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32, VTT-5	Blow case
VFT-808E-MIS	6, 8, 10, 12, 16, 19 mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32, VTT-5	Blow case

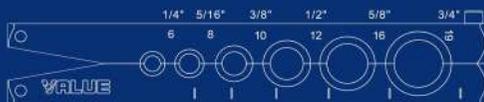


## VFT-808L Series

Flaring Tool



Usage method of quick-clamp



## Accurate Flaring

### Annular Rivet Connection

- Precise of flared

### 45° Eccentric design

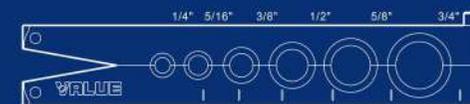
- Point contact flare, standard dimension, easy to use

Model	Tubing O.D.	Accessory	Packaging
VFT-808L-IN	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blister packing
VFT-808L-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808L-I02	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Carton
VFT-808L-MI	6, 8, 10, 12, 16, 19 mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808L-IS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32	Blow case
VFT-808L-MIS	6, 8, 10, 12, 16, 19 mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32	Blow case

## VFT-809-I VFT-809-IS

Flaring Tool

Special design for R410A system



## Accurate Flaring

### Annular Rivet Connection

- Precise of flared

### 45° Eccentric design

- Point contact flare, dimension standard, easy to use

Model	Tubing O.D.	Accessory	Packaging
VFT-809-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-809-IS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32	Blow case



# Hydraulic Tube Expander



## Easy To Expand

### Hydraulic Expander

- One hand operation
- Suitable for larger diameter copper

### Compact

- Convenient for narrow spaces
- Easy to use

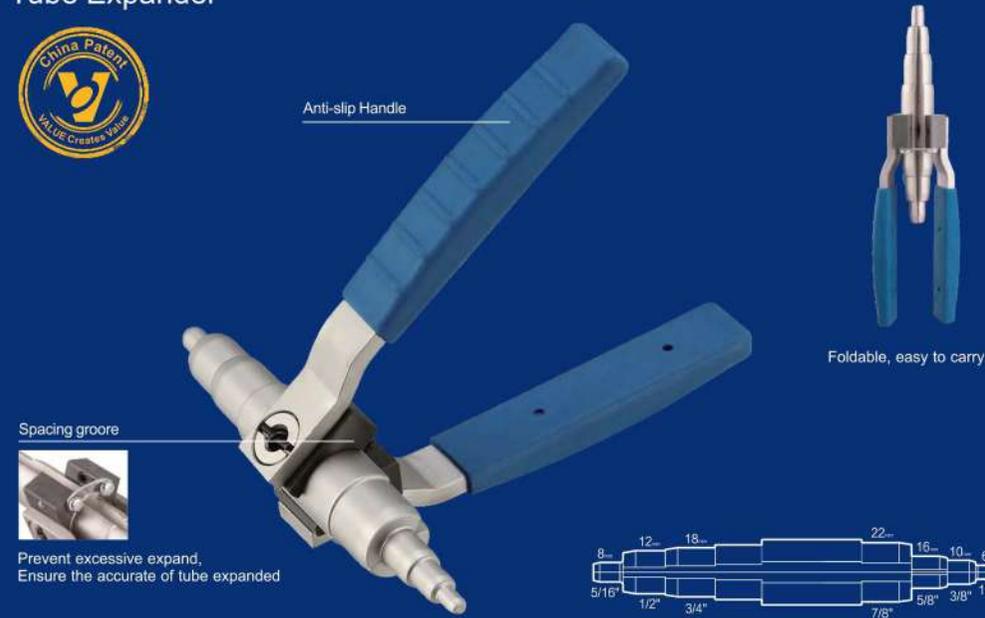
### Automatic pressure relief

### Quick connect heads

- Patented expander head, 180° quick locking

Model	Tube O.D.	Accessory
VHE-29D	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"	VTT-5 VTC-32
VHE-29DM	10, 12, 15, 16, 18, 22, 28 mm	VTT-5 VTC-32
VHE-29E	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8"	/
VHE-29EM	10, 12, 15, 16, 18, 22, 28 mm	/
VHE-42E	3/8", 1/2", 5/8", 3/4", 7/8", 1", 1-1/8", 1-1/4", 1-3/8", 1-1/2", 1-5/8"	/
VHE-42EM	10, 12, 15, 16, 18, 22, 28, 35, 42 mm	/

# VST-22/22B Tube Expander



## Easy to Expand

### Easy to Use

- Simple structure for expanding copper tubing

### Easy to Carry

- Foldable design for portability

### Spacing Groove

- To prevent over flared, ensure the accurate of tube flared

### Anti-slip handle

- Easy to use

Model	VST-22	VST-22B
Tube O.D.	3/8", 1/2", 5/8", 3/4", 7/8" 10, 12, 16, 18, 22 mm	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8" 6, 8, 10, 12, 16, 18, 22 mm



## VBT-CB1/CB1R

7 in 1 Tube Bender



## Easy To Bend

### 7 in 1

- 7 size in one selector easy to switch to different tubing size

### Easy to bend

- Ergonomic handle design Easy to bend

### Easy to release

- One key rotation, the copper pipe is easy to release

Model	VBT-CB1	VBT-CB1R
Bending Size	1/4"(6mm), 5/16"(8mm), 3/8"(10mm), 1/2"(12mm), 5/8"(16mm), 3/4"(19mm), 7/8"(22mm)	
Bending Angle	0-90°	
Applicable Material	Soft pipes	
Accessory	/	VTBRK(Reverse Bending Attachment Kit)
Weight	3.4 kg	4.4 kg

## VBT-3S

PE Bending Strip



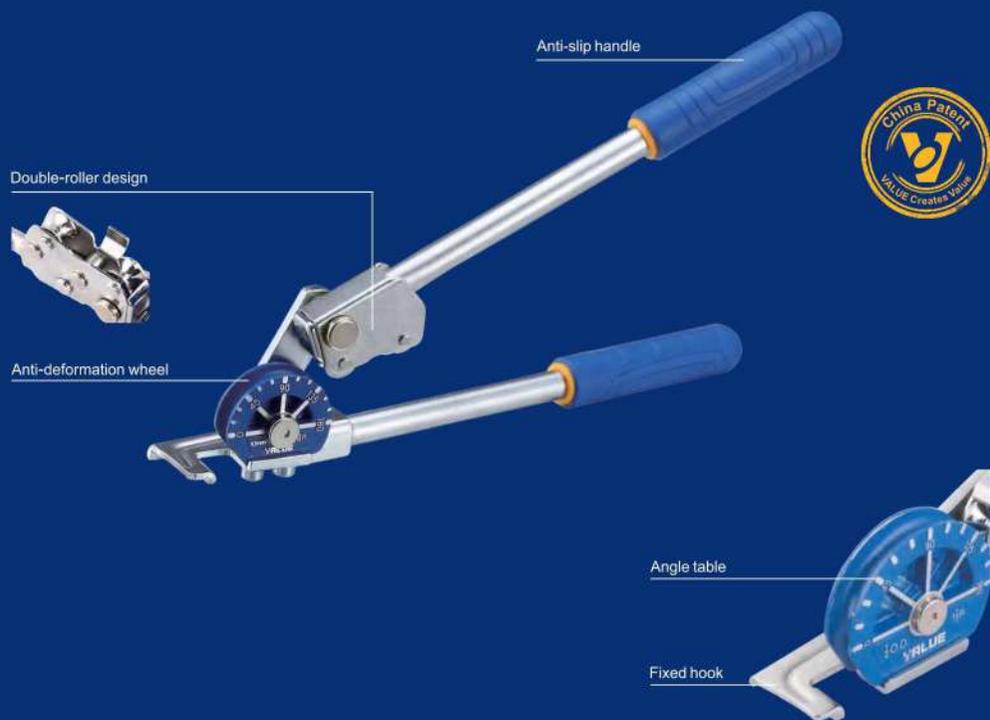
## Flexible · Recyclability

- Flexible construction.
- Reusable product made of durable material.
- No more faulty pipe bendings.
- 4 sizes for most MiniSplit/VRF applications.

Model	VBT-3S			
Length	3 m			
Color	Red	Green	Yellow	Blue
Diameter	4mm	7mm	9mm	12mm
Applicable Copper Tube Size	1/4", 6mm	3/8", 10mm	1/2", 12mm	5/8" 16mm



**VBT-1/1A  
VBT-2/2A**  
Bending Tool



**Easy to Bend**

**Double-roller**

- Unique X-TURN steering structure It's easier to bend on 90°
- Double-roller, reducing the pipe's friction, easy to bend

**Angle Table**

- The angle of bending is clearly visible

**Anti-slip Handle**

- Easy to use

VBT-1/2 Bending Tool

Model	VBT-1	VBT-1A	VBT-2	VBT-2A
Bending Size	3/8"	10 mm	1/2"	12 mm
Bending Radius	15/16"	15/16"	1-1/2"	1-1/2"
Bending Angle	0 ~ 180°			
Applicable Material	All soft pipes, thin-wall copper pipes and annealed treated hard pipe			

**VBT-3/4/5**  
Bending Tool



**Easy to Bend**

**Double-roller**

- Unique X-TURN steering structure It's easier to bend on 90°
- Double-roller, reducing the pipe's friction, easy to bend

**Two Stage Handle**

- Easy to bend, larger angle of bending

**Angle Table**

- The angle of bending is clearly visible

**Anti-slip handle**

- Easy to use

VBT-3/4/5 Bending Tool

Model	VBT-3	VBT-4	VBT-5
Bending Size	5/8", 16 mm	3/4", 19 mm	7/8", 22 mm
Bending Radius	2-1/4"	3"	3-1/4"
Bending Angle	0 ~ 180°		
Applicable Material	All soft pipes, thin-wall copper pipes and annealed treated hard pipe		



# VTC-19/32/35/42/72

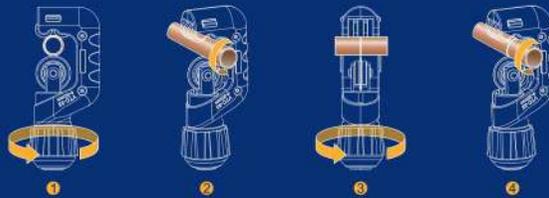
Tube Cutter



Aluminum Alloy

Cutting Blade

Ball Bearings



## Easy to Cut

### High-Quality Cutting Blade

- Sharp and durable

### Ball Bearing

- Easy cutting and better quality

### Aluminum Alloy

- Light weight, easy to carry and use

Model	VTC-19	VTC-32	VTC-35	VTC-42	VTC-70
Tube O.D.	1/8"~3/4" 3~19 mm	1/8"~1-1/4" 4~32 mm	1/8"~1-3/8" 4~35 mm	1/4"~1-5/8" 6~42 mm	1/4"~2-5/8" 6~67 mm

# VTT-5B

Tube Deburring



Replaceable Blades

Spare Blade

2 spare blades are included

## Easy to Deburr

### Compact Design

- Easy to carry

### Spare Blade

- 2 spare blades are included

### Replaceable Blades

- Easy to change blade

# VRT-101

Capillary Tube Plier



## Easy to Shear

### Sharp Blade

- Excellent stainless steel blade, easy to shear capillary

### Spacing Spring

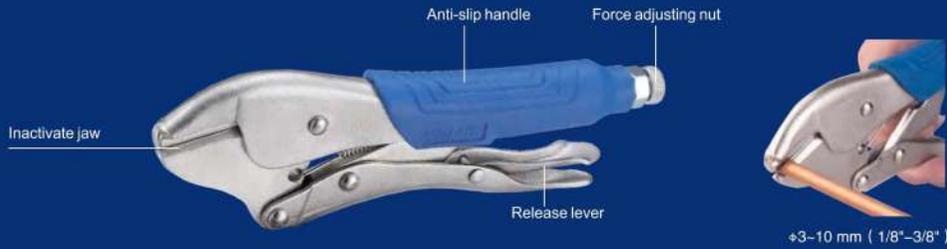
- Easy to use

### Anti-slip Handle

- Power holding, anti-slip, easy to shear



## VRT-102 Sealing Pliers



### Easy to Seal

#### Inactivate Jaw

- Power clamp force, it can seal copper pipe quickly

#### Force Adjusting Nut

- Easy to adjust clamp force

#### Ergonomic Design Handle

- Anti-slip design, easy to use

## VRT-201/202 Ratchet Spanner



### Easy to Rotary

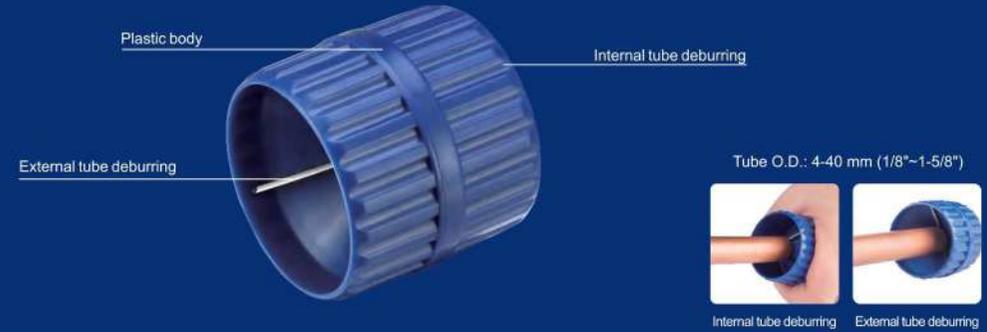
#### Ratchet

- Advanced ratchet, leave out the tedious transformation steps, easy to use, and easy to rotary

#### Anti-slip Handle

- Power holding, anti-slip, easy to rotary

## VRT-301 Deburring Tool



### Easy to Deburr

#### Multi-blade sharp blades

- Easy to deburring

#### Plastic Body Design

- Light weight

## VRT-302 Internal & External Reamer



### Easy to Deburr

#### Multi-blade Alloy Steel Internal Surface

- Easy to deburring

#### Slip-resistant Aluminum Body Design

- Light weight

# VTB-5A Tool Kit



## Easy to Carry

### Easy to Carry

- Aluminum alloy toolbox, easy to carry

### Protect Tools

- Aluminum alloy toolbox, better protection tools during transportation

Complete With	Description	Quantity
Vacuum Pump	1.5CFM	1pc
Flaring Tool	VFT-808-I	1set
Tube Cutter	VTC-32	1pc
Tube Deburring	VTT-5	1pc
Manifold Gauge	VMG-2-R410A	1set
Tube Expanders	VST-22	1pc
Package	Aluminum alloy box	1pc

# Tool Kit



## Easy to Carry

### Easy to Carry

- Blow molding toolbox, easy to carry

### Easy to Use

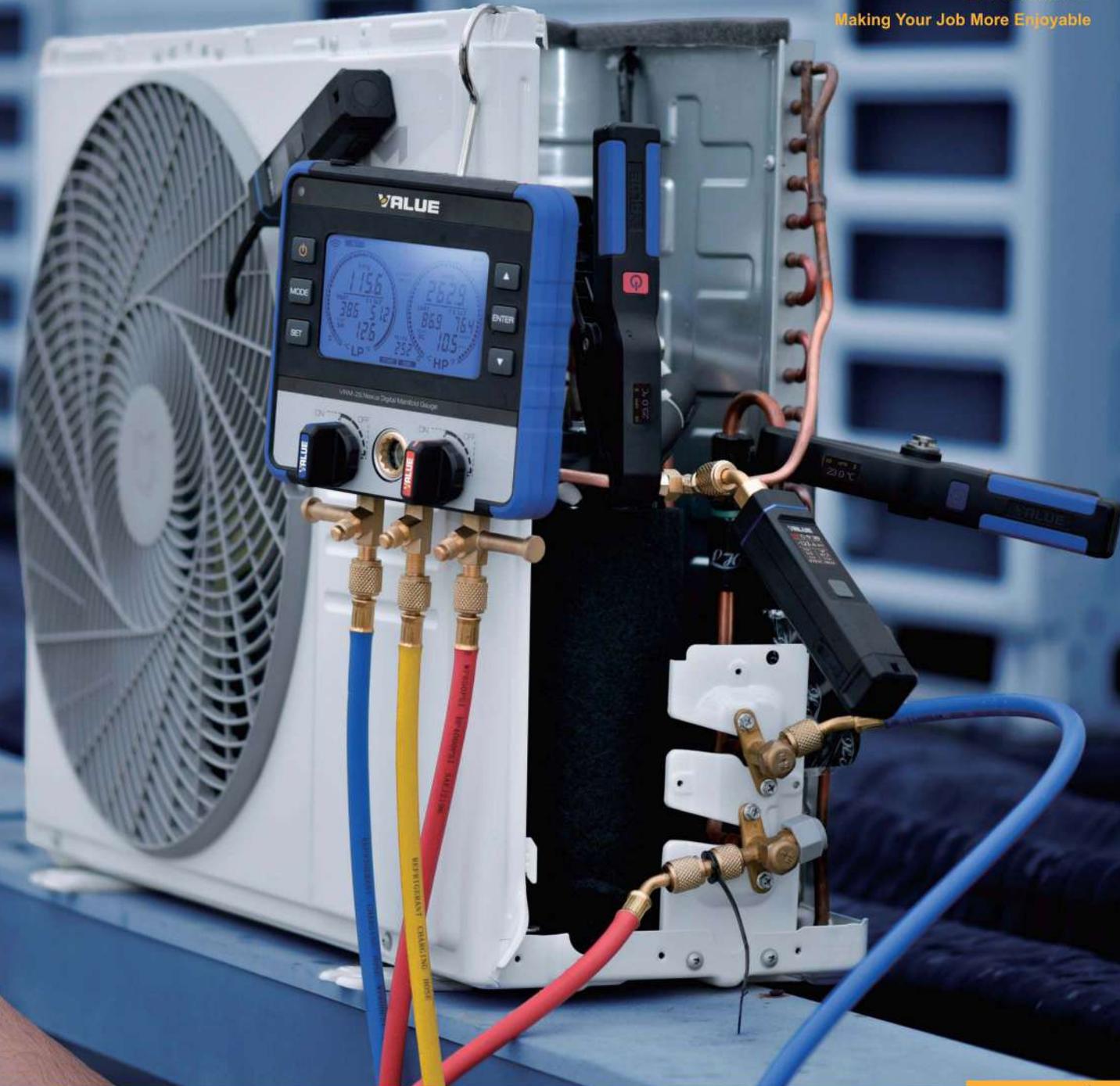
- Include cutter, tube expander, manifold, refrigerant hose

Model	VTB-5B-I		VTB-5B-II		VTB-5B-III	
	Description	Quantity	Description	Quantity	Description	Quantity
Complete With						
Flaring Tool	VFT-808-I	1set	VFT-808-I	1set	VFT-808-I	1set
	VTC-32	1pc	VTC-32	1pc	VTC-32	1pc
Tube Cutter	VTC-19	1pc	VTC-19	1pc	VTC-19	1pc
	VTC-32	1pc	VTC-32	1pc	VTC-32	1pc
Manifold Gauge	VMG-2-R410A	1set	VMG-2-R410A	1set	VMG-2-R410A	1set
Tube Deburring	VTT-5	1pc	VTT-5	1pc	VTT-5	1pc
Adapter	/	/	V01 V08	1set	V01 V08	1set
Adapter	/	/	/	/	CV01-CV12	1set
Package	Blow case	1pc	Blow box	1pc	Blow box	1pc



## Digital Platform Measurement Control Diagnostic System

Leak Detector	87
Psychrometer Gauge	89
Pressure Gauge	90
Temperature Gauge	91
Vacuum Gauge	92
Other Detectors	94



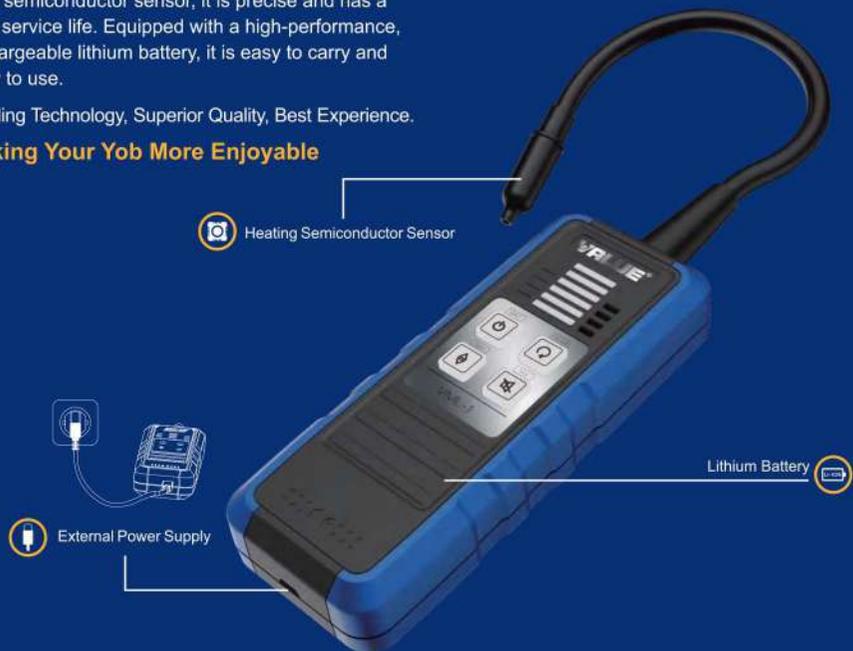


## VML-1 Leak Detector

With semiconductor sensor, it is precise and has a long service life. Equipped with a high-performance, rechargeable lithium battery, it is easy to carry and easy to use.

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## VML-2 Leak Detector

VML-2 detects the leakage of different types of refrigerants\*. With auto-reset function, VML-2 can operate well at areas polluted by other gases or refrigerants.

Conform to EN14624: 2020

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## Precise Measurement

### Ergonomic Design

- Easy to carry

### Semiconductor Sensor

- Precise measurement
- Extended service life

### External Power Supply

- Extended use

### Lithium Battery

- Rechargeable

Model	VML-1
Suitable for refrigerant	CFC, HCFC, HFC refrigerant
Minimum of leakage	≤3g/year (R134A)
Response time	≤3s (regarding the size and distance of source of leaks)
Life time of battery	≥8 hours
Pressure of system under test	≥50 kPa
Life time of sensor	≥1 year under normal usage
Power	5 V
Calibration	auto
Weight	350 g
Length of probe	40 cm

## Precise Measurement

### Heating Semiconductor Sensor

- Precise sensor to detect 2g/a leakage level
- Extended service life

### 43 cm-long probe

- Detect leakage at limited space

### Display leakage levels in digits

- Easy to read

### 3 sensitivity levels

- 3 sensitivity levels to fit different leakage levels

### Auto-reset

- Auto-reset to avoid disturbance from surrounding pollutions.

### Ergonomic Design

- Easy to carry

Model	VML-2
Suitable for refrigerant	HFC, HCFC, CFC and HFO refrigerant
Minimum of leakage	≤ 2g/year (R-134a)
Response time	≤ 3s (regarding the size and distance of source of leaks)
Sensor life	>300 hours
Numerical display	7 segment digital display(1to9)
Power	4x1.5V AA alkaline battery
Battery life	4-6 hours continuous
Calibration	Auto
Length of probe	43 cm
Operating temperature	0-40°C
Weight	380 g



# VSH1

Bluetooth Psychrometer with Digital Display

**NEW**



Making Your Job More Enjoyable



## Precision Humidity Measurement

- Detailed Psychrometric Datapoints**
  - Simultaneous display of Dry Bulb, Wet Bulb, Dew Point
  - Simultaneous display of Relative Humidity, Absolute Humidity and Enthalpy
- Universal Psychrometer**
  - Easy-to-switch knob, suitable for either Side Supply (SP) or Return (RT)
- Large Digital Display**
  - Standalone use as a digital psychrometer
  - Works with or without Hi VALUE App
  - Easy and accurate reading
- Accuracy and Fast Response**
  - High accuracy sensor
  - One-button operation
- Bluetooth Connectivity**
  - Works wirelessly with Hi VALUE App
- Rechargeable Lithium Battery**
  - Up to 150 hours battery life w. battery indicator
  - Optional auto power-off after 2 hours

Model	VSH1
Measurement Range	Humidity: 0-100% RH / Temp: -20-125°C
Measurement Units	°F, °C, % RH (Relative Humidity), °Ftd (Dry Bulb Fahrenheit), °Ctd (Dry Bulb Celsius), Wet Bulb °F, Wet Bulb °C
Accuracy	Humidity: ±2.0%RH (10 to 90%RH) (at ±25°C), ±5.0%RH (<10%RH or >90%RH) (at ±25°C) Temperature: ±0.8°C (-20-0°C), ±0.5°C (0-60°C), ±0.8°C (60-120°C)
Resolution	0.1%RH, 0.1°C
Sensor Type	Humidity: Capacitive Polymer Film, Temperature: Precision Thermistor
Response Time	10 seconds
Bluetooth Range	50 m
Power Supply	Rechargeable 1200mAh Lithium Battery, Type-C Charging Port
Rechargeable Battery Operating Time	Screen off: >150h; Screen on: >40h
Wireless Frequency	2.4 GHz
Auto Power Off (APO)	2 hours (can be disabled)
Flexible Probe	Length: 200 mm, Diameter: 10 mm
Minimum Device Requirement	BLE4.0 or above, Android 7.0.0 or above, Apple iOS 12.0 or above
Unit Weight	175 g
Accessory	Carry bag



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# VSP1

Bluetooth Pressure Probe with Digital Display

**NEW**



## Precision Pressure Measurement

- Large Digital Display**
  - Standalone use as a digital pressure probe
  - Works with or without Hi VALUE App
  - Easy and accurate reading
- Universal Temperature Clamp**
  - Easy-to-Switch Knob, suitable for either High (HP) or Low (LP) Side
- Bluetooth Connectivity**
  - Works wirelessly with Hi VALUE App
- Rechargeable Lithium Battery**
  - Up to 150 hours battery life w. battery indicator
  - Optional auto power-off after 2 hours
- Smart Functions**
  - Auto VSAT / LSAT calculations thru App
  - Simultaneous pressure & temperature display
  - Pressure decay test
- Accuracy and Fast Response**
  - High accuracy sensor
  - One-button operation

Model	VSP1
Measurement Range	-29-725 psi
Maximum Overload Pressure	725 psi (5000 kPa)
Accuracy	±0.5% of full range
Resolution	0.01 psi
Sensor Type	Ceramic pressure sensor
Bluetooth Range	50 m
Power Supply	Rechargeable 1200mAh Lithium Battery, Type-C Charging Port
Rechargeable Battery Operating Time	Screen off: >150h; Screen on: >40h
Wireless Frequency	2.4 GHz
Auto Power Off (APO)	2 hours (can be disabled)
Minimum Device Requirement	BLE4.0 or above, Android 7.0.0 or above, Apple iOS 12.0 or above
Unit Weight	250 g
Accessory	Carry bag



## VSTL

### Bluetooth Large Temperature Clamp with Digital Display

**NEW**



## Precision Temperature Measurement

### Large Opening

- 3/4" to 4-1/8" opening
- For residential, commercial and refrigeration applications

### Accuracy and Fast Response

- High accuracy thermoelectric sensor
- Large contact surface

### Large Digital Display

- Standalone use as a digital thermometer
- Works with or without Hi VALUE App
- Quick response with real-time display

### Durability and Convenience

- Robust design, IP54 rating for dust and water resistance
- 2 x AAA battery included, up to 150 hours battery life
- Optional auto power-off after 2 hours

### Bluetooth Connectivity

- Works wirelessly with Hi VALUE App
- Works wirelessly with NEXUS Manifold Gauge

### Universal Temperature Clamp

- Suitable for either High (HP) or Low (LP) Side

Model	VSTL
Measurement Range	-40-125°C
Accuracy	±1.5°C
Resolution	0.1°F
Sensor Type	Thermocouple (Nickel Chromium)
Pipe Size Compatibility	3/4" - 4-1/8" OD
Refresh Rate	1 time/second
Bluetooth Range	164' (50m)
Battery Type	2 x AAA
Battery Operating Time	Screen off: >150h; Screen on: >12h
Certification	CE, FCC, RoHS
Wireless Frequency	2.4 GHz
Minimum Device Requirement	BLE4.0 or above, Android 7.0.0 or above, Apple iOS 12.0 or above
Water Resistance	IP54
Unit Weight	7.8 oz
Accessory	Carry bag

## VMV-1

### Vacuum Gauge

It uses the Pirani high-precision vacuum sensor to precisely measure vacuum levels. Digital display affords a comprehensive view of vacuum conditions. When reaching the preset vacuum level, it will buzz as a reminder. When the vacuum level decreases from the pre-set vacuum level, it will buzz rapidly and flash the backlight to warn of leaks.



## Precise Measurement

### Ergonomic Design

- Easy to carry

### Buzzing Alert

- Vacuum level reminder
- Vacuum leakage warning

### Precision Vacuum Sensor

- Pirani sensor

### Large Backlit Display

- Easy-to-read large digital display
- Backlit display for clarity

Model	VMV-1
Maximum overload pressure	72 psi/0.5 mPa
Range	0-10000 Pa, 0-100.00 mBar, 0-75.000 mmHg, 0-75000 Microns
Resolution	0.01(< 10 Pa), 0.0001(< 10 mBar), 0.0001(< 10 mmHg), 1(< 30000 Microns)
Accuracy	2-100Pa : ±5% of reading(at 20 °C)
Operating temperature	0-50 °C
Unit	Pa, mBar, mmHg, Microns
sensor	Pirani sensor
Dimensions	147x59x33 mm
Weight	Only 125 g



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## VMV1S VMV1S-2 Premium Micron Vacuum Gauge

This micron gauge uses Pirani high-precision vacuum sensor to accurately measure vacuum levels. Digital display provides a comprehensive view of vacuum conditions. It features a rechargeable battery and compact design. When reaching the preset vacuum level, it will buzz as a reminder. When the vacuum level increases from the decay target, it will buzz rapidly and flash backlight to warn of leaks.

Leading Technology, Superior Quality, Best Experience.

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## VMC-1 Digital Clamp Multimeters

Clamp VMC-1, design of high precise smart chip, It can accurately measure the change of small current; 28mm jaw, it's specially designed for you to repair an unexpected wire and circuit detection; compact design, better experience, it's easy to use.



## Smart Measurement

### Pirani Vacuum Sensor

- Professional grade
- Precise

### Large Backlit Display

- Easy-to-read large digital display
- Backlit for clarity
- Auto power off

### Buzzing Alert

- Vacuum level reminder
- Vacuum leakage warning
- Decay target and decay duration

### Rechargeable Battery

- Long battery life

### High Pressure Protection

- 3.4 bar maximum pressure

### Compact Design

- Easy to carry

Model	VMV1S	VMV1S-2
Maximum Pressure	3.4 bar	3.4 bar
Range	0~3333.3 Pa, 0~25000 microns, 0~33.3 mBar, 0~25 mmHg	0~3333.3 Pa, 0~25000 microns, 0~33.3 mBar, 0~25 mmHg
Resolution	0.01 Pa (<10 Pa), 0.01 micron (<10 microns), 0.001 mBar, 0.001 mmHg	0.01 Pa (<10 Pa), 0.01 micron (<10 microns), 0.001 mBar, 0.001 mmHg
Accuracy	±5% of reading (6.7-133Pa) (50-1000microns) 20°C	±5% of reading (6.7-133Pa) (50-1000microns) 20°C
Operating Temperature	0~45°C	0~45°C
Unit	Pa, mBar, mmHg, microns	Pa, mBar, mmHg, microns
Sensor	Pirani sensor	Pirani sensor
Battery	2000 mAh Li-polymer	2000 mAh Li-polymer
Weight	175 g	175 g
Accessory	Angled Stem, Storage Bag	Angled Stem, Storage Bag

## Precise Measurement

### High precision chip

- Precise measurement

### LCD backlight display

- Large screen data display, better readability

### 28mm jaw

- Suitable for more demanding circuit maintenance

### Compact design

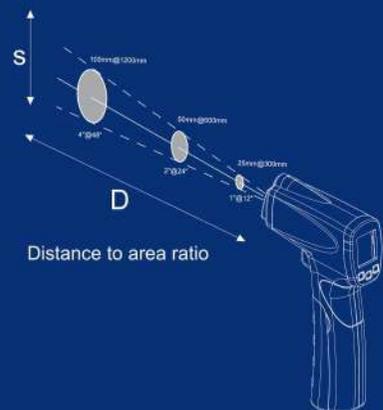
- Easy to carry

Model	VMC-1
Max Measurement Voltage	600V
Max Measurement AC Current	400 A
Max Measurement Capacitance	4 mF
Temperature Measurement Range	-40°C~1000°C



## VIT-300S Infrared Thermometer

VALUE VIT-300S non-contact infrared thermometer can help determine the surface temperature by measuring the infrared energy of the target surface. The design of low power consumption makes the product serve a longer period, reducing the frequency of battery change for users. In addition, the high precision infrared sensor can help users quickly and accurately finish measurement.



## Precise Measurement

### Precision Infrared Sensor

- Accurate measurement, respond faster

### Large-aperture Silicon Mirror

- Measures long distance
- Wide measuring range

### One-key Temperature Measurement

- Easy to use, convenient

### LCD Backlit Display

- Clear display, easy to read

Model	VIT-300S
Emissivity	0.10~1.00 adjustable
Temperature Range	-32°C~400 °C (-25.6°F~752 °F)
Max Measuring Accuracy	±2°C or ±2%
Response Time	500 mS
Debug Mode	Single-process debugging

## VMS-1 Sound Level Meter

Sound Level Meter VMS-1, with micro capacitor-type microphone sensing technology and bandwidth weighting network design, to enable small interference on the sound field, fast response and a precise, efficient noise measurement.



## Precise Measurement

### Ergonomic Design

- Easy to carry

### Micro Capacitor-type Microphone Sensing Technology And Bandwidth Weighting Network Design

- Fast response
- Accurate and Efficient

### Large Backlit Display

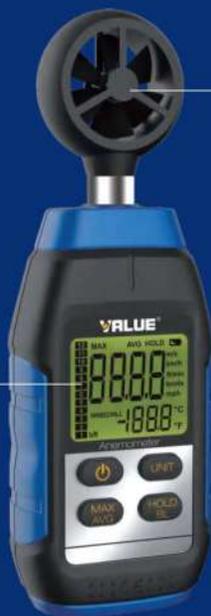
- Easy-to-read large digital display
- Backlit display for clarity

Model	VMS-1
Noise measurement scope	30~130 dB
Accuracy	±1.5 dB
Refresh rate	31.5Hz~8kHz
Resolution	0.1 dB
Sampling rate	Fast: 125ms / Slow: 1000ms
Power	1.5V AAAx3
LCD size	32x26 mm
Dimensions	155x57x35 mm
Weight	Only 88g



# VMA-1 Anemometer

Anemometer VMA-1, with magnetic sensor technology and precision computing amplifier chip, enable to directly convert the airflow rate into electrical signals; through the microprocessor chip to process data, using the electronic digital display to provide you with accurate measurements. It resolved the issues with traditional anemometer such as large volume and initial high airspeed, so as to achieve precision measurement.



High sensitivity wind rotor 

Large Backlight Display 

## Precise Measurement

### Ergonomic Design

- Easy to carry

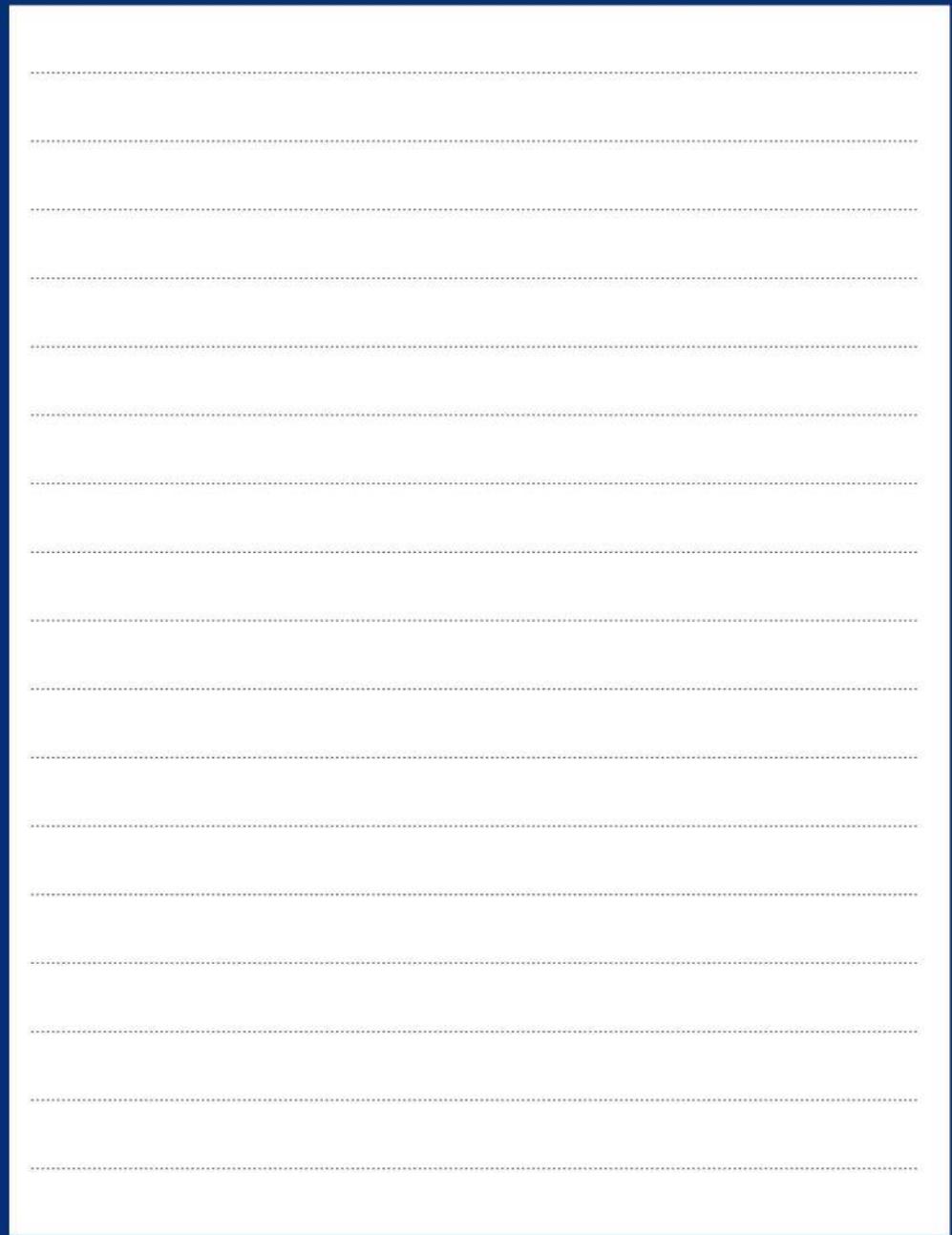
### High Sensitivity Wind Rotor

- 6 vanes high sensitivity wind rotor
- Low friction bearing technology

### Large Backlit Display

- Easy-to-read large digital display
- Backlit display for clarity

Model	VMA-1
Wind Speed Measurement Scope	0-12
Accuracy of wind-speed measurement	± (5%rdg+0.5)
Accuracy of temperature measurement	±2 °C
Wind Scale Accuracy	±1
Wind-speed resolution	0.1 m/s
Temperature resolution	0.1 °C
Sampling rate	500 ms
Power	1.5V AAAx3
LCD size	32x26 mm
Dimensions	164x57x30 mm
Weight	95 g





## Accessories and Consumables

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# M1/M2 Condensate Pump

# S1/S2 Mini Condensate Pump



Electrode water level sensor



Electrode water level sensor

## Ultra-Quiet, Reliable

## Ultra-Quiet, Reliable

### Ultra-Quier DC motor

- Quiet operation

### Electrode water level sensor

- Anti-leakage & Anti-short circuit
- ### Easy Maintenance
- Snap-on sturcture, easy disassembling and cleaning of water tank

### Water Pipe Isolates from PCB

- Anti-leakage & Anti-short circuit

### LED flash light

- Effectively monitor product running condition

### Large Capacity Tank

- Reducing work times and extending life

### Ultra-Quier DC motor

- Quiet operation

### Built-in Filter

- Effectively filter impurities and prevent blockage

### Water Pipe Isolates from PCB

- Anti-leakage & Anti-short circuit

### Mini Design

Model	M1	M2
Voltage	100-240V/50-60Hz	100-240V/50-60Hz
Discharge head (Max.)	12m / 39ft	12m / 39ft
Flow rate (Max.)	24L/h 6.4 US GPH	40L/h 10.6 US GPH
Effective water tank capacity	200ml	200ml
Unit output (Max.)	9kW 30000btu/h	13kW 45000btu/h
Noise at 1m	19dB(A)	21dB(A)
Applicable ambient temperature	0°C-50°C	0°C-50°C

Model	S1	S2
Voltage	100-240V/50-60Hz	100-240V/50-60Hz
Discharge head (Max.)	10m / 33ft	10m / 33ft
Flow rate (Max.)	24L/h 6.4 US GPH	40L/h 10.6 US GPH
Effective water tank capacity	50ml	50ml
Unit output (Max.)	9kW 30000btu/h	13kW 45000btu/h
Noise at 1m	19dB(A)	21dB(A)
Applicable ambient temperature	0°C-50°C	0°C-50°C

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## S mini Condensate Pump

**NEW**



## L mini/L1 Corner Condensate Pump

**NEW**



### Ultra-Quiet, Reliable

#### Ultra-Quier DC motor

- Quiet operation

#### Built-in Filter

- Effectively filter impurities and prevent blockage

#### Water Pipe Isolates from PCB

- Anti-leakage & Anti-short circuit

#### Mini Design

Model	S mini
Voltage	100-240V~50/60Hz
Discharge head (Max.)	10 m / 32 ft
Flow rate (Max.)	18 L/h 4.8 US GPH
Effective water tank capacity	50 ml
Unit output (Max.)	9 kW 30000btu/h
Noise at 1m	19 dB(A)
Ambient temperature range	2°C-50°C

### Ultra-Quiet, Reliable

#### Ultra-Quier DC motor

- Quiet operation

#### Built-in Filter

- Effectively filter impurities and prevent blockage

#### Small and Compact

- One-piece design, easy to install, suitable for confined spaces

Model	L mini	L1
Voltage	100-240V~/50-60Hz	100-240V~/50-60Hz
Discharge head (Max.)	10 m / 32 ft	10 m / 32 ft
Flow rate (Max.)	18 L/h 4.8 US GPH	24 L/h 6.4 US GPH
Effective water tank capacity	50 ml	50 ml
Unit output (Max.)	9 kW 30000btu/h	9 kW 30000btu/h
Noise at 1m	19 dB(A)	19 dB(A)
Ambient temperature range	2°C-50°C	2°C-50°C