





VALUE Mechanical & Electrical Products CO., LTD

Add: No. 5 Third Street, East Industrial Park, Wenling, Zhejiang, China Tel:+86-576-86191959 Fax:+86-576-86191957 Email:value@worldvalue.cn www.worldvalue.cn









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.

Global leader

in refrigeration tools and vacuum solutions

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 technologies concerning air conditioner refrigeration tools with the purpose

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

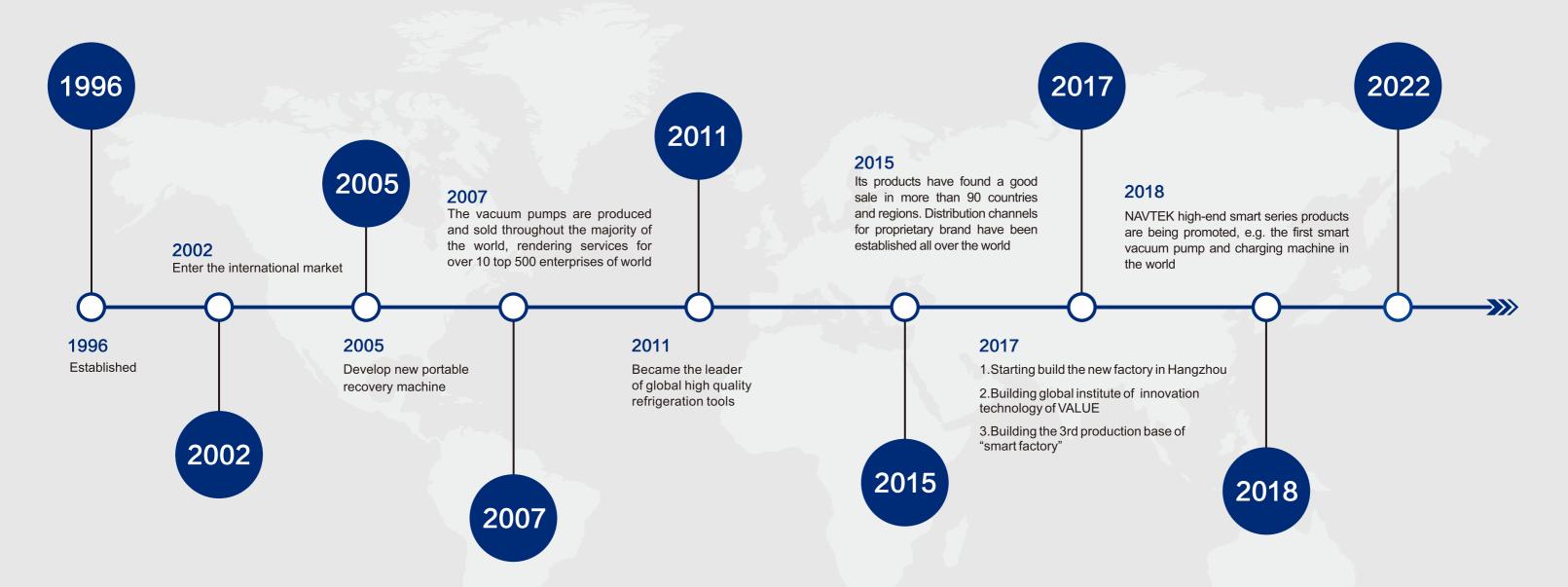
VISION OF VALUE

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

- ——Global Market
- -Leading Technology
- ——One of the best



DEVELOPMENT HISTORY





Welcome to VALUE

Global leader of refrigeration tools and vacuum solutions

ABOUT US

VALUE is the global leader of refrigeration tools and vacuum solutions. After 20 years of historical accumulation, the three core competencies which are continuous technological innovation capabilities, social resource integration capabilities and brand channels all over the world, have made the company keep its leadership in the global refrigeration industry.

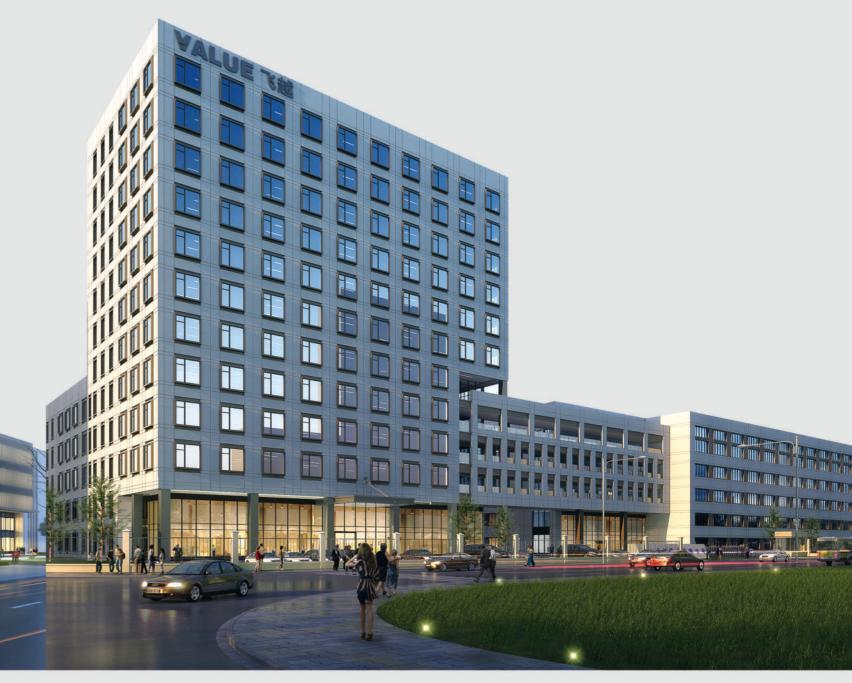
VALUE has accumulated the industry's veteran expert teams with experienced, we are always working on innovative work unswervingly to develop the best products, which can provide personalized design and service in the shortest time to meet customer needs. We have built a global innovation and Technology Research Institute, a huge proportion of R & D funds is invested every year, innovative development of the industry's leading products; the quality of our products reaches the world first-class level, through the CE, UL, CSA and other security certification and ISO9001:2015 quality management system certification, and we also have bulit product failure analysis laboratory, thermostat and constant humidity production workshop and product prototype test center. We have introduced a lot of high precision manufacturing technology and equipment, Japanese Multi-Tasking machining center, Japanese SEIKI horizontal machining center and OKUMA vertical machining center, Germany WENZEL three coordinate measuring instrument and other modern machining and testing equipment, the full implementation of the ERP data management and lean production management system.

Through years of development, we have our owned global brand and channels. It has built "VALUE" independent brand sales channels in more than 90 countries, and has provided services for more than 10 of world top 500 enterprises.

"speed, innovation, high quality", create value for customers

Core competitiveness

Speed • Innovation • High quality

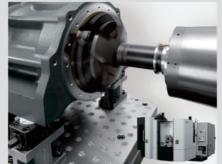
















High quality manufacturing

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





CLASSIC SERIES OF VALUE





"Creating value for customers" is the core mission of VALUE. VALUE Helps customers to accomplish work easier, efficiently and with high quality. We continue to study the working process of the user's pain point, experience the user's experience, we developed high reliability series vacuum pump, light / fast series recovery machine, enjoyable series pipe tools and precision measuring instrument series, provides a full range of high-quality refrigeration maintenance tools for customers, help customers more easily complete maintenance work of air conditioning products.

VALUE's Classic series to provide customers with a high quality full range of refrigeration maintenance tools.

Leading Technology, Superior Quality, Best Experience.

Making your job more enjoyable



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Pipe tools

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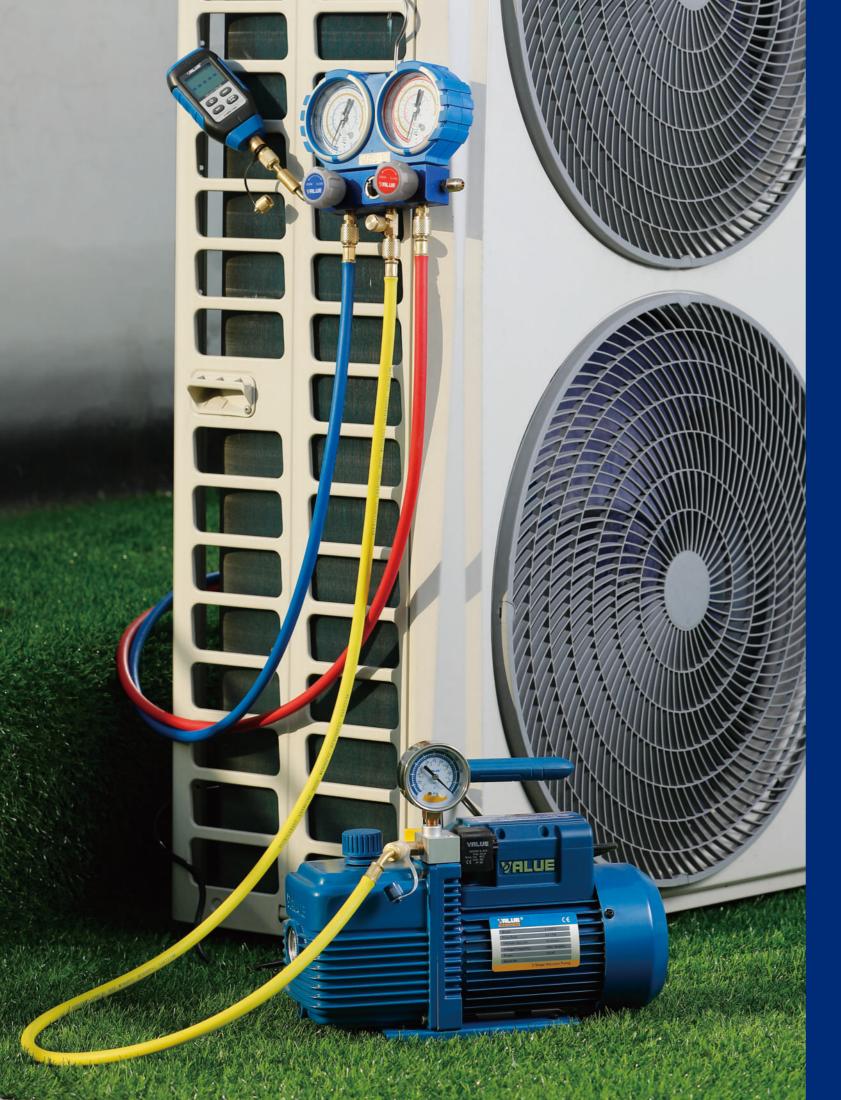


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Vacuum Pump

High · Reliable





N Series Vacuum Pump

Suitable for R407C, R404A, R507A, R134a refrigerant



High Reliablility

Integra	ted E	Body	Stru	cture
---------	-------	------	------	-------

Higher precision

Higher ultimate vacuum

Forced Oil Cycling System

High reliability

Large Oil Screen

Better visibility

Single Stage

	Model	VE115N	VE125N	VE135N	VE160N	VE180N
		1.8 CFM	2.5 CFM	3.5 CFM	6.0 CFM	8.0 CFM
Flow	50Hz	51 L/min	70 L/min	100 L/min	170 L/min	226 L/min
Rate	60Hz	2.0 CFM	3.0 CFM	4.0 CFM	7.0 CFM	9.0 CFM
		57 L/min	84 L/min	113 L/min	198 L/min	254 L/min
Ultimate	Partial Pressure	2 Pa	2 Pa	2 Pa	2 Pa	2 Pa
Vacuum	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 Capa	city	250 ml	250 ml	250 ml	415 ml	660 ml
Dimensio	ons	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
		1.5 CFM	2.5 CFM	4.5 CFM	6.0 CFM	8.0 CFM	10.0 CFM
Flow	50Hz	42 L/min	70 L/min	128 L/min	170 L/min	226 L/min	283 L/min
Rate	60Hz	1.8 CFM	3.0 CFM	5.0 CFM	7.0 CFM	9.0 CFM	12.0 CFM
	00112	50 L/min	84 L/min	142 L/min	198 L/min	254 L/min	340 L/min
Ultimate	Partial Pressure	2x10 ⁻¹ Pa					
Vacuum	Total Pressure	15 micron	15 micron	15 micron	15micron	15 micron	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 Capa	city	200 ml	200 ml	325 ml	580 ml	500 ml	590 ml
Dimensio	ons	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
50Hz		1.5 CFM	2.5 CFM	4.5 CFM
Flow	30HZ	42 L/min	70 L/min	128 L/min
Rate		1.8 CFM	3.0 CFM	5.0 CFM
60Hz		50 L/min	84 L/min	142 L/min
Ultimate	Partial Pressure	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa
Vacuum	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 Capacit	у	200 ml	200 ml	325 ml
Dimensions	5	318x124x234 mm	318x124x234 mm	338x138x244 mm
Weight		8.5 kg	8.5 kg	10.4 kg
Model		VE260ND	VE280ND	VE2100ND
	50Hz	6.0 CFM	8.0 CFM	10.0 CFM
Flow	DUHZ	170 L/min	226 L/min	283 L/min
Rate		7.0 CFM	9.0 CFM	12.0 CFM
	60Hz	198 L/min	254 L/min	340 L/min
Ultimate	Partial Pressure	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa
Vacuum Total Pressure		15micron	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 Capacit	у	580 ml	500 ml	590 ml
Dimensions	5	395x145x257 mm	395x145x257 mm	395x145x257 mm
Weight		15.8 ka	16.2 kg	16.7 kg



I Series New Refrigerant Vacuum Pump

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



High Reliability

Integrated Body Structure

• Higher ultimate vacuum

- **High Precision Vacuum Gauge**
 - More precise

Solenoid Valve

Absolutely prevent backflow

Large Oil Screen

• Better visibility

Single Stage

• Higher precision

Model		V-i120SV	V-i140SV	V-i160SV	V-i180SV
	5011-	1.8 CFM	3.5 CFM	5.0 CFM	7.0 CFM
Flow	50Hz	51 L/min	100 L/min	142 L/min	198 L/min
Rate	60Hz	2.0 CFM	4.0 CFM	6.0 CFM	8.0 CFM
	60HZ	57 L/min	113 L/min	170 L/min	226 L/min
Ultimate	Partial Pressure	2 Pa	2 Pa	2 Pa	2 Pa
Vacuum	Total Pressure	150 micron	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	318x124x265 mm	338x138x275 mm	395x145x318 mm
Weight		6.7 kg	8.6 kg	10.3 kg	15.4 kg

Dual Stage

Model		V-i220SV	V-i240SV	V-i260SV	V-i280SV
	50Hz	1.8 CFM	3.5 CFM	5.0 CFM	7.0 CFM
Flow	5002	51 L/min	100 L/min	142 L/min	198 L/min
Rate	60Hz	2.0 CFM	4.0 CFM	6.0 CFM	8.0 CFM
	00112	57 L/min	113 L/min	170 L/min	226 L/min
Ultimate	Partial Pressure	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa
Vacuum	Total Pressure	15 micron	15 micron	15 micron	15micron
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		318x124x265 mm	338x138x275 mm	395x145x318 mm	395x145x318 mm
Weight		9.0 kg	11.0 kg	16.6 kg	17.0 kg





Making Your Job More Enjoyable

R32 Series Vacuum Pump

Suitable for R32, 1234yf refrigerant



High Reliability

Electronic Starter · Enclosed Switch

• Explosion-proof design

Integrated Body Structure

- Higher precision
- Higher ultimate vacuum

Anti-backflow Solenoid Valve

• Preventing pump oil backflow from

Large Oil Screen

Better visibility

Built-in Vacuum Gauge

• Built-in vacuum gauge prevents damage by impact

system explosion-proof

Single Stage

Model		V-i120-R32	V-i125-R32	V-i140-R32	V-i160-R32	V-i180-R32
	5011-	1.8 CFM	2.5 CFM	3.5 CFM	5.0 CFM	7.0 CFM
Flow	50Hz	51 L/min	70 L/min	100 L/min	142 L/min	198 L/min
Rate 60Hz -	2.0 CFM	3.0 CFM	4.0 CFM	6.0 CFM	8.0 CFM	
	57 L/min	84 L/min	113 L/min	170 L/min	226 L/min	
Ultimate	Ultimate Partial Pressure	2 Pa				
Vacuum	Total Pressure	150 micron	150 micron	15micron	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				
Oil Capacity		250 ml	250 ml	250 ml	415 ml	660 ml
Dimensions		290x124x223 mm	290x124x223 mm	318x124x237 mm	338x138x249 mm	395x145x262 mm
Weight		6.7 kg	7.2 kg	8.6 kg	10.3 kg	15.4 kg

Dual Stage

Model		V-i220-R32	V-i240-R32	V-i260-R32	V-i280-R32	
	50Hz	1.8 CFM	3.5 CFM	5.0 CFM	7.0 CFM	
Flow	50H2	51 L/min	100 L/min	142 L/min	198 L/min	
Rate	2.0 CFM	4.0 CFM	6.0 CFM	8.0 CFM		
60Hz		57 L/min	113 L/min	170 L/min	226 L/min	
Ultimate	Partial Pressure	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa	
Vacuum Total Pressure		15 micron	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		318x124x237 mm	338x138x249 mm	395x145x262 mm	395x145x262 mm	
Weight		9.0 kg	11.0 kg	16.6 kg	17.0 kg	



V-i2120

R32 Only Vacuum Pump

Suitable for R32, 1234yf refrigerant



High Reliability

High Efficiency Motor

- More efficient
- Higher ultimate vacuum

Large Oil Screen

Better visibility

Model	V-i2120
Elaw Bata	12 CFM
Flow Rate	340 L/min
Partial Pressure	2x10 ⁻¹ 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

VPO-46

Vacuum Pump Oil

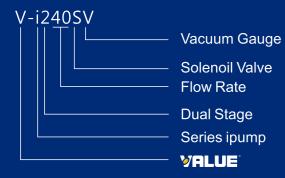


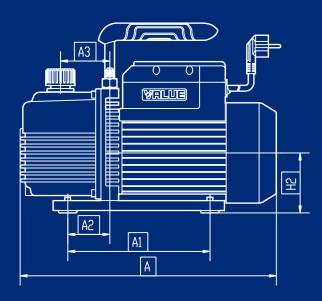
330ml

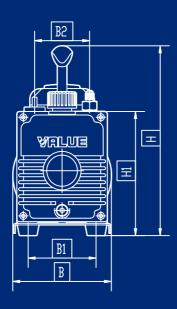
Model	VPO-46
Kinematic viscosity(40°C)	41.4-50.6mm²/s
Viscosity Index	110
Flash Point	240°C
Pour Point	-10°C
Туре	Mineral Oil

07 | VALUE Creates value

Vacuum Pump Selection







Unit:mm

Model	А	A1	A2	A3	В	B1	B2	Н	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		R32 Series pump			
		R407C		R22		
	R410A	R404A	R12	R12	R32	
Refrigerant		R507A	R502	R502	1234yf	
		R134a	R500	R500		

Select by pumping rate

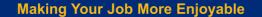
The pumping rate of vacuum pump is generally indicated by L/min. The operation time is directly related to the pumping rate.

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

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 ⁻¹ Pa/15micron		
	Household air conditioner	Central air conditioner		
Applicable machines	Car air conditioner	Large and medium-sized		
	Refrigerator	refrigeration storage		



Power Series Vacuum Pump Higher ultimate vacuum

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



VRD-16/24/30 Options













Model VRD-30 VRD-16 VRD-24 24 Displacement speed (m³/h) 60 Hz 19.2 28.8 Ultimate partial pressure gas ballast close 4x10⁻² Pa 4x10⁻² Pa 4x10⁻² Pa Ultimate total pressure gas ballast close 4x10⁻¹ Pa 4x10⁻¹ Pa 4x10⁻¹ Pa Ultimate total pressure gas ballast open 8x10⁻¹ Pa 8x10⁻¹ Pa 8x10⁻¹ Pa single/3-ph Power supply 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 50 Hz 1440 1440 1440 Motor speed (rpm) 60 Hz 1720 1720 1720 Ambient temperature 10~40°C 10~40°C 10~40°C ≤ 58dB ≤ 58dB ≤ 58dB Noise level (dB) 33kg 36kg 37kg Weight(Kg)

Power Series Vacuum Pump Higher ultimate vacuum



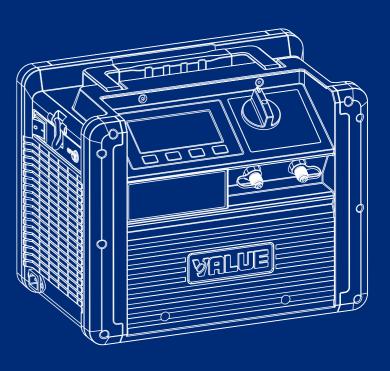
	VP2120	VP2200	
50 Hz	20	36	
60 Hz	24	43	
llast close	4x10 ⁻² Pa	4x10° Pa	
st close	4x10 ⁻¹ Pa	4x10 ⁻¹ Pa	
st open	8x10 ⁻¹ Pa	8x10 ⁻¹ Pa	
	single/3-ph	single/3-ph	
	0. 75/0.55kW	1.1/0.75kW	
	7/16"-20UNF	7/16"-20UNF	
		1.3~2.0L	
50 Hz	1440	1440	
60 Hz	1720	1720	
	10~40 °C	10~40 °C	
	≤ 58dB	≤ 58dB	
	37kg	41kg	
	60 Hz last close st close st open	50 Hz 20 60 Hz 24 last close 4x10² Pa 4x10² Pa st close 8x10¹ Pa 8x10¹ Pa 8x10¹ Pa 9x10 last close 9x10	





Recovery Unit

Light · Fast





VRR12M

Recovery Unit



Making Your Job More Enjoyable

Making Your Job More Enjoyable

VRR24M-C

Suit for

R32

Recovery Unit



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



Light • Compact

DC brushless Motor

- Faster recovery
- Lighter

High Pressure Protection

Safe to use

Better Visibility

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

Oil-free Compressor

Suitable for all commonly used refrigerants

One Key Operation

• Easy to use

Self-purge Function

• Prevent mixing of various refrigerants

Model		VRR12M	VRR12M					
Refrigerant	Categorys III:R12,R134a,R401C,R500,1234yf Categorys IV:R22,R401A, R401B, R402B, R407C, R407D, R408A,R409A,R411A R411B,R412A,R502,R509 Categorys V:R402A,R404A,R407A,R407B,R410A,R507,R32							
Power Supply		220-240V~50/60Hz	115V~/60Hz					
Motor		Brushless DC motor 3/4HP						
Motor Speed		3000 rpm						
Maximal Current Dr	aw	2.6 A	5.5 A					
Compressor		Oil-less, Air-cooled, Piston style						
Automatic Safety Shut-Off		38.5bar/3850kPa(558psi)						
		Categorys III	Categorys IV	Categorys V				
Recovery Rate	Vapor	0.20	0.25	0.25				
(kg/min)	Liquid	1.76	1.98	2.42				
	Push/Pull	4.60	5.60	6.30				
Operating Temperature		0 °C-40 °C						
Dimensions		304×202×360 mm						
Weight		7.8 kg						

Model VRR24M-C Categorys III : R12, R134a, R401C, R500, 1234yf Categorys IV : R22, R401A, R401B, R402B, R407C, R407D, R408A,R409A,R411A R411B,R412A,R502,R509 Categorys V : R402A,R404A,R407A,R407B,R410A,R507,R32 Refrigerant 220-240V~50/60Hz 115V~/60Hz Power Supply Motor Brushless DC motor 1HP Motor Speed 3000 rpm 6.5 A 12 A Maximal Current Draw Compressor Oil-less, Air-cooled, Piston style Automatic Safety Shut-Off 38.5bar/3850kPa(558psi) Categorys III 0.43 0.54 0.54 Vapor Recovery Rate (kg/min) 3.60 4.00 4.20 Push/Pull 7.50 8.50 9.50 Operating Temperature 0 °C-40 °C 370×250×297 mm Dimensions Weight 11 kg







L Series Recovery Unit



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		R32			VRR12LOS-R32					
Refrigerant		Categorys IV : R	Categorys III:R12, R134a, R401C, R500, 1234fy Categorys IV:R22,R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Categorys V:R402A, R404A, R407A, R407B, R410A, R507, R32							
Power Supply		220V-240V~/50-6	60Hz	115V~/6	60Hz	220V-240V~/50-	60Hz	115V~	/60Hz	
Motor		3/4 HP		3/4 HP		3/4 HP		3/4 HF		
Motor Speed		1450rpm/1750rpm		1750rpm		1450rpm/1750rpm		1750rpm		
Maximal Current Draw		4 A	4 A			4 A		8 A		
Compressor		Oil-less, Air-cooled, Piston style								
Automatic Safety Sl	nut-Off	38.5bar/3850kPa	38.5bar/3850kPa(558psi)							
		Categorys III	Categorys	s IV	Categorys V	Categorys III	Categor	ys IV	Categorys V	
Recovery Rate	Vapor	0.20	0.25		0.25	0.20	0.25		0.25	
(kg/min)	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	0 °C-40 °C							
Dimensions		450×250×355 m	m							
Weight		13.0 kg			14.2 kg					

L Series Recovery Unit



Light • Fast

One Key Operation

Self-purge Function

R32

• Easy to use

Prevent mixing of various refrigerants

Twin Cylinder

Faster recovery

Oil-free Compressor

• Suitable for all commonly used refrigerants

High Pressure Protection

Safe to use

Model VRR24L-R32						VRR24LOS-R32				
Refrigerant		Categorys IV : R	Categorys III:R12, R134a, R401C, R500, 1234fy Categorys IV:R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Categorys V:R402A, R404A, R407A, R407B, R410A, R507, R32							
Power Supply		220V-240V~/50-6	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 SI	hut-Off	38.5bar/3850kPa(558psi)								
		Categorys III	Categorys IV		Categorys V	Categorys III	Category	rs IV	Categorys V	
Recovery Rate	Vapor	0.40	0.50		0.50	0.40	0.50		0.50	
(kg/min)	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 m	ım							
		13.5 kg			14.7 kg					

17 VALUE Creates value VALUE Creates value VALUE Creates value 18

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

Safe to use Model

High Pressure Protection

Model		VRR12L	VRR12L			VRR12L-OS			
Categorys III: R12, R134a, R401C, R500 Refrigerant Categorys IV: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, Categorys V: R402A, R404A, R407A, R407B, R410A, R507					R412A, R	502, R509			
Power Supply		220-240V~/50-60	0Hz	115V~	/60Hz	220V-240V~/50-	60Hz	115V~	60Hz
Motor	Motor 3/4 HP 3/4		3/4 HF		3/4 HP		3/4 HP		
Motor Speed		1450 rpm/1750 rpm 1750 rpm		om	1450 rpm/1750 rpm		1750 rpm		
Maximal Current Draw 4 A			8 A		4 A 8 A		8 A	8 A	
Compressor		Oil-less, Air-coole	Oil-less, Air-cooled, Piston style						
Automatic Safety Sl	hut-Off	38.5bar/3850kP	38.5bar/3850kPa(558psi)						
		Categorys III	Categorys IV		Categorys V	Categorys III	Categorys IV		Categorys V
Recovery Rate	Vapor	0.20	0.25		0.25	0.20	0.25		0.25
(kg/min)	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-		0°C-40°C	0°C-40°C						
Dimensions 400×250×355		400×250×355 mi	m						
Weight 13.0 kg		13.0 kg				14.2 kg			

L Series Recovery Unit



Light • Fast

One Key Operation

• Easy to use

Self-purge Function

Prevent mixing of various refrigerants

Twin Cylinder

Faster recovery

Oil-free Compressor

• Suitable for all commonly used refrigerants

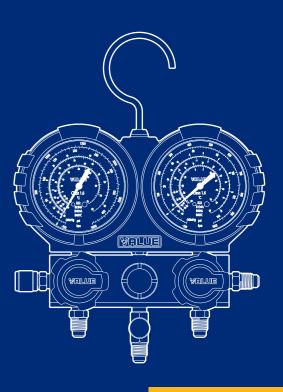
High Pressure Protection

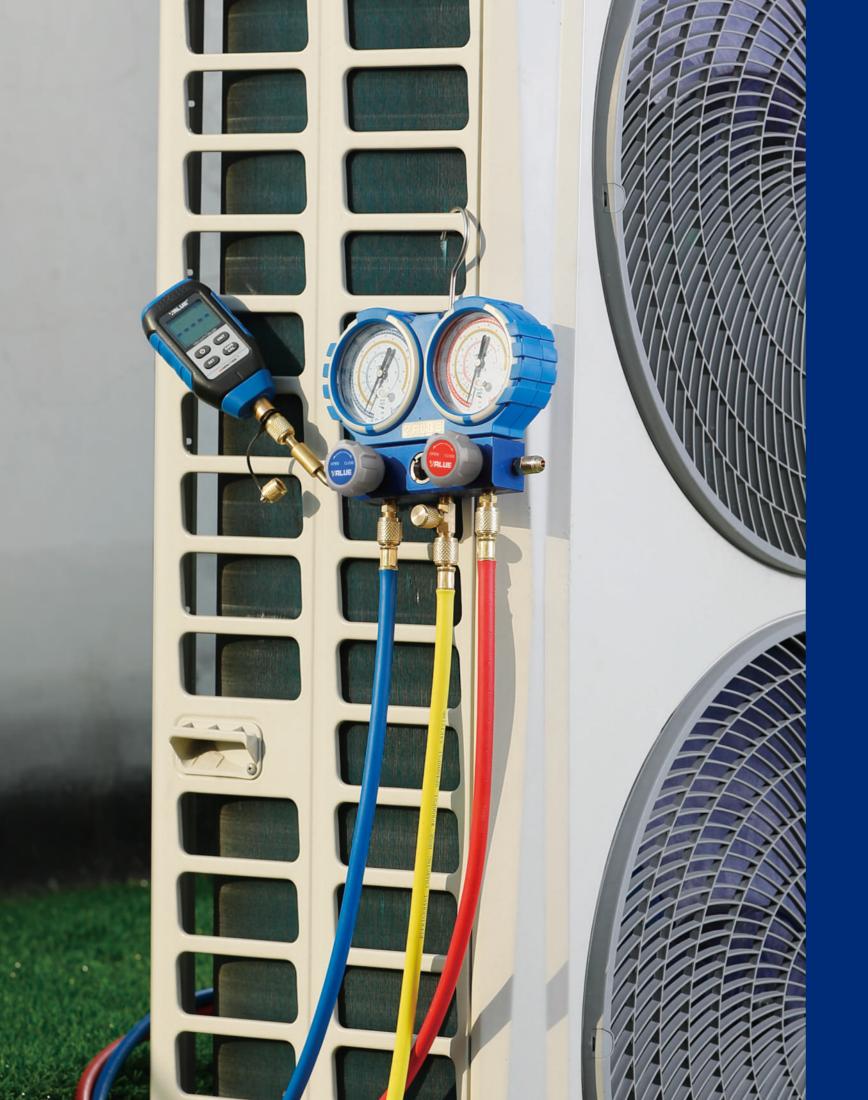
Safe to use

Model VRR24L			VRR24L-OS						
Refrigerant	Categorys III:R12, R134a, R401C, R500 Categorys IV:R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A Categorys V:R402A, R404A, R407A, R407B, R410A, R507				1A, R411B, R4	112A, R50	2, R509		
Power Supply		220-240V~/50-6	0Hz	115V~/	60Hz	220V-240V~/50-	60Hz	115V~/60Hz	
Motor		1 HP		1 HP		1 HP		1 HP	
Motor Speed 1450 rpm/1750 rpm		pm	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 S	hut-Off	38.5bar/3850kPa(558psi)							
		Categorys III	Catego	rys IV	Categorys V	Categorys III	Categorys	s IV	Categorys V
Recovery Rate	Vapor	0.40	0.50		0.50	0.40	0.50		0.50
(kg/min)	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		450×250×355 m	×250×355 mm						
Weight 13.5 kg					14.7 kg				









VALUE Creates Value

Making Your Job More Enjoyable

Manifold Gauge

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



Precision/Impact-Resistant

Impack-resistant

- Impack-Resistant design
- Durable rubber cover

Sight Glass

Easily view refrigerant movement and condition during charging and recovery

Accurate

Precision pressure gauge

Aluminum knob

Anti corrosion

Model	VMG-2-R32	VMG-2-R32-B-03	VMG-2-1234yf
Refrigerant scale	R32	R32, R407, R410A, R134a	1234yf
Gauge Diameter	Ф80 mm	Ф68 mm	Ф80 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	1	Red&Blue: M12X1.5 - M12X1.5, 2X1pc Yellow: M12X1.5 - 1/2" Acme, 1pc
Length	3x120 cm	1	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 scale	R600/R600a/R290	R600/R600a/R290
Gauge Diameter	Ф68 mm	Ф68 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 scale	R404A/R407C/R134a/R22	R404A/R407C/R134a/R22	R404A/R407C/R134a/R22
Gauge Diameter	Ф80 mm	Ф80 mm	Ф80 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	1
Package	Blow Case	Blister packing	Blister packing

Model	VMG-2-R22-B	VMG-2-R22-B-02	VMG-2-R22-B-03
Refrigerant scale	R404A/R407C/R134a/R22	R404A/R407C/R134a/R22	R404A/R407C/R134a/R22
Gauge Diameter	Ф68 mm	Ф68 mm	Ф68 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-R4	10A-04	VMG-2-R410A-05			
Refrigerant scale	R410A		R410A/R407C/R134a/R22		R410A/R407C/R404A/R134a				
Gauge Diameter	Ф80 mm								
Pressure Scale	0~800 psi; -30inHg ~ 500 p	si							
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	150 cm							
Package	Blow case	Blow case	Blister packing	Blister pack	king	Blister packing			
Model	VMG-2-R410A-B	VI	VMG-2-R410A-B-02			R410A-B-03			
Refrigerant scale	R410A/R407C/R134a/R2	2 R4	R410A/R407C/R134a/R22			R410A/R407C/R134a/R22			
Gauge Diameter	Ф68 mm	Ф	Ф68 mm			Ф68 mm			
Pressure Scale	0 ~ 800 psi; -30 ~ 500 psi	0 -	0 ~ 800 psi; -30inHg ~ 500 psi			0 ~ 800 psi; -30inHg ~ 500 psi			
Hose	Red&Blue: 1/4"-5/16", 2x: Yellow: 1/4"-1/4", 1 pc		Red&Blue: 1/4"-5/16", 2x1 pc Yellow: 1/4"-1/4", 1 pc			1			
Standard Length	120 cm	12	120 cm			/			
Package	Blow case	Bli	Blister packing			Blister packing			

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



High precision pressure gauge

Aluminum knob

Double "O" ring nylon spacer for reliability and long service life





Suitable for R134a refrigerant



Precision/Impact-Resistant

Impack-resistant

- Impack-Resistant design
- Durable rubber cover

Accurate

Precision pressure gauge

Aluminum knob

Anti corrosion

Precision/Impact-Resistant

Impack-resistant

Impack-Resistant design

Sight glass

Durable rubber cover

Sight Glass

Easily view refrigerant movement and condition during charging and recovery

VMG-4-R410A

Manifold Gauge

Suitable for R410A refrigerant

Impack-Resistant
Durable rubber cover

Noourata.

Precision pressure gauge

Aluminum knob

• Anti corrosion

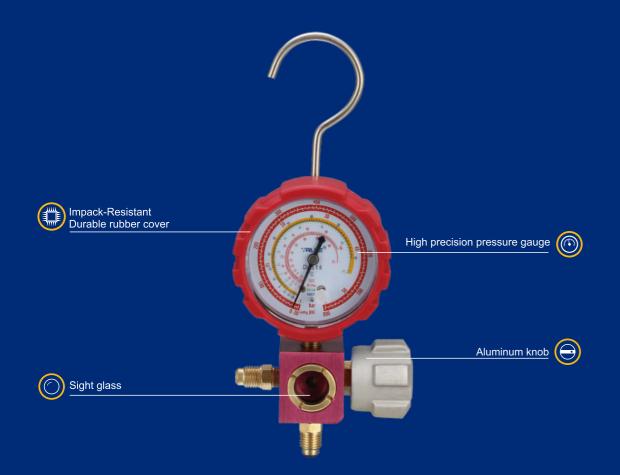
Sight Glass

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 scale	R134a	R134a						
Gauge Diameter	Ф80 mm	Ф68 mm	Ф80 mm	Ф68 mm				
Pressure Scale	-30inHg~400 psi; -30inHg~140 psi		-30inHg ~ 400 psi; -30inHg ~ 140 psi					
Hose	Red & Blue & Yellow: 1/4"-1/4", 3	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					

Model	VMG-4-R410A
Refrigerant scale	R410A
Gauge Diameter	Ф80 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

Single Gauge



Precision/Impact-Resistant

Impack-resistant

• Impack-Resistant design

• Durable rubber cover

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 Diammeter	Gauge Diammeter		Ф68 mm						
	ABH/ABL	R134a							
	BBH/BBL	R22/R134a/R404A/R407C							
Refrigerant scale	CBH/CBL	R22/R134a/R410A/R407C							
(Optional)	DBH/DBL	R410A							
	EBH/EBL	R404A/R134a/R410A/R407C							
	FBH/FBL	R600/R600a/R290							
Pressure Scale	Pressure Scale		-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
TIGHT CONTINUES COLUMN	Ф68 mm	°C/°F/ Pis/Bar	R134a	342260108 342260109	NPT1/8"
	Ф68 mm	°C/Psi/Bar	R22 R134a R404A R407C	342260110 342260111	NPT1/8"
Banta Santa	Ф68 mm	°C/Psi/Bar	R22 R134a R410A R407C	342260112 342260113	NPT1/8"
400 150 150 150 150 150 150 150 1	Ф68 mm	°C/°F/ Psi/Bar	R410A	342260114 342260115	NPT1/8"
Barti Carl Carl Carl Carl Carl Carl Carl Carl	Ф68 mm	°C/Psi/Bar	R404A R134a R410A R407C	342260118 342260119	NPT1/8"
	Ф68 mm	Psi/Bar	R600 R600a R290	342266427 342266428	NPT1/8"
must on the control of the control o	Ф68 mm	Psi/Bar	R22 R410A R32	342260122 342260123	NPT1/8"
Danis Control of the	Ф68 mm	Psi/Bar	R32 R134a R410A R407C	342260124 342260125	NPT1/8"



Pressure Gauge

High / Low Pressure Gauge	Gauge Diameter	Unit	Refrigerant	MRP NO.	Thread
	Ф68тт	°C/Psi/Bar	R22 R134a R410A R407C	342260112 342260113	NPT1/8"
Discourse of the second of the	Ф68тт	°C/Pis/Bar	R22 R134a R410A R407C	342266501 342266502	NPT1/8"
	Ф68тт	°C/Psi/Bar	R22 R134a R404A R407C	342266110 342266110	NPT1/8"
The second secon	Ф68тт	°C/Psi/Bar	R32 R134a R410A R407C	342266124 342266125	NPT1/8"
WALET TO STATE OF THE STATE OF	Ф80 mm	°C/°F/Pis/Bar	R410A	342260101 342260102	NPT1/8"
Can I I Can I I Can I I Can I I Can	Ф80 mm	°C/Psi/Bar	R22 R134a R410A R407C	342260104 342260105	NPT1/8"
TRUE OF THE PARTY	Ф80 mm	°C/Psi/kg/cm²	R22 R134a R404A R407C	342260401 342260402	NPT1/8"
MALE TO STORY OF THE PARTY OF T	Ф80 mm	°C/°F/Psi/ Bar/kg/cm²	R134a	342260405 342260406	NPT1/8"
400 100 100 100 100 100 100 100	Ф80 mm	°C/°F/Psi/kPa	R410A	342260409 342260410	NPT1/8"

VALUE Creates Value

Pressure Gauge

High / Low Pressure Gauge	Gauge Diameter	Unit	Refrigerant	MRP NO.	Thread
	Ф80 mm	°C/Bar/Psi	R404A R134a R410A R407C	342260411 342260412	NPT1/8"
	Ф80 mm	°C/°F/Psi/ Bar/kg/cm²	R32	342260413 342260414	NPT1/8"
	Ф80 mm	°C/°F/Psi/ Bar/kg/cm²	1234yf	342260415 342260416	NPT1/8"
	Ф80 mm	°C/Psi/Bar	R32 R134a R410A R407C	342260421 342260422	NPT1/8"
250 10 10 10 10 10 10 10 10 10 10 10 10 10	Ф80mm	°C/Psi	R134a	342260407 342260408	NPT1/8"
	Ф80mm	°C/Psi/Bar	R407F R134a R442A R453A	342260419 342260420	NPT1/8"
	Ф80mm	°C/Bar/Psi	R134a R404A R448A R452A	342260437 342260438	NPT1/8"
	Ф80тт	°C/Bar/Pis	R449A R404A R448A R452A	342260441 342260442	NPT1/8"
	Ф80mm	°C/Bar/Pis	R134a R404A R449A R452A	342260445 342260446	NPT1/8"



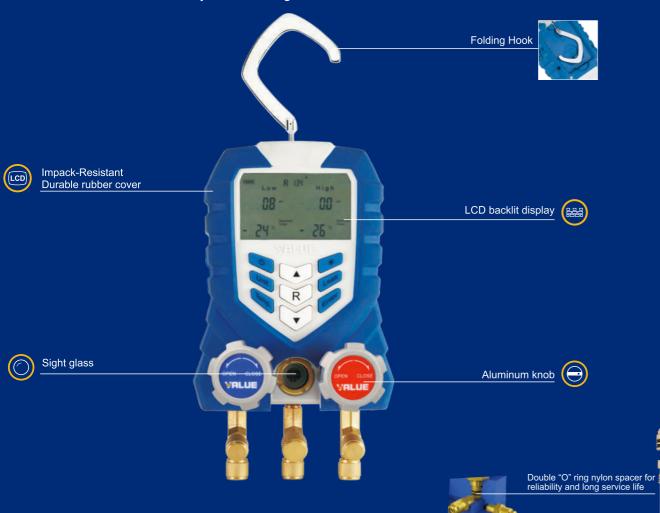


Making Your Job More Enjoyable

VDG-1

Digital Manifold Gauge

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



Precision/Impact-Resistant

Impack-resistant

- Impack-Resistant design
- Durable rubber cover

Sight Glass

• Easily view refrigerant movement and condition during charging and recovery

Accurate

• Precision pressure gauge

Wide Range of Application

Suit for more than 40 refrigerants

LCD Backlit Display

Clearly display, easy to read

Aluminum knob

Anti corrosion

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

VDG-S1

Digital Single Gauge

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



Precision/Impact-Resistant

Impack-resistant

- Impack-Resistant design
- Durable rubber cover

Sight Glass

 Easily view refrigerant movement and condition during charging and recovery

Accurate

Precision pressure gauge

Wide Range of Application

Suit for 9 refrigerants

LCD Backlit Display

Clearly display, easy to read

Aluminum knob

Anti corrosion

Model	VDG-S1
Refrigerant scale	R22, R134a, 1234yf, R290, R404A, R407C, R410A, R32, R507
Pressure display	psi bar Kpa Mpa kgf/cm²
Pressure resolution	1 psi; 0.1 bar; 10 kPa; 0.01 Mpa; 0.1 kgf/cm²
Connection	2x1/4" SAE
Power	9 V battery

VDG-2-S1

Digital Manifold Gauge



Precision/Impact-Resistant

Impack-resistant

- Impack-Resistant design
- Durable rubber cover

Sight Glass

Easily view refrigerant movement and condition during charging and recovery

Accurate

• Precision pressure gauge

Wide Range of Application

Suit for 9 refrigerants

LCD Backlit Display

Clearly display, easy to read

Aluminum knob

Anti corrosion

Model	VDG-2-S1	
Refrigerant scale	R22, R134a, 1234yf, R290, R404A, R407C, R410A, R32, R507	
Pressure display	psi bar Kpa Mpa kgf/cm²	
Pressure resolution	1 psi; 0.1 bar; 10 kPa; 0.01 Mpa; 0.1 kgf/cm²	
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





Precision/Impact-Resistant

Impack-resistant

- Impack-Resistant design
- Durable rubber cover

Sight Glass

Easily view refrigerant movement and condition during charging and recovery

Accurate

Precision pressure gauge

Wide Range of Application

Suit for 9 refrigerants

LCD Backlit Display

Clearly display, easy to read

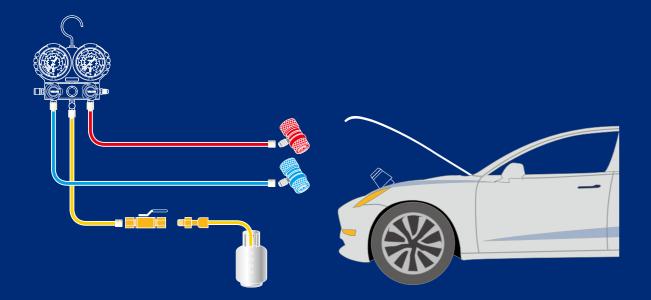
Aluminum knob

Anti corrosion

Model	VDG-4-S1
Refrigerant scale	R22, R134a, 1234yf, R290, R404A, R407C, R410A, R32, R507
Pressure display	psi bar Kpa Mpa kgf/cm²
Pressure resolution	1 psi; 0.1 bar; 10 kPa; 0.01 Mpa; 0.1 kgf/cm²
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 × 1.5	3/8" SAE	M12 × 1.5

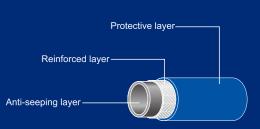
Refrigerant Hose





Check Valve

90 cm 120 cm 150 cm



High strength

Wide Range of Application

Check Valve

• It's suit for R410A, R134a, R22,etc

• Effectively complete the pipeline switching

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

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





Big Boy High-Flow Evacuation Hoses



For best evacuation performance, Use VALUE VCR1 Valve Core Removal 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

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

VCR1

Valve Core Removal Tool





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

Valve Opener





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

Check Valve



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



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

Refrigerant Scale



High Measurement

High Precise Senor

Precise measurement

High precision

LCD Backlit Display

Clear display, easy to read

Compact

Easy to carry

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

Refrigerant Scale



High Measurement

High Precise Senor

Precise measurement

High precision

Compact

Easy to carry

LCD Backlit Display

Clear display, easy to read

High Precise Valve

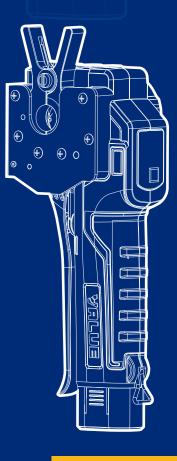
Quantitative filling precision control

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









VET-19Li

Cordless Flaring Tool



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	7.4V 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

VET-22-S

Cordless Power Flaring Tools



Quick Accurate Flaring

Easy to Use

- High performance, large capacity lithium battery
- Variable speed
- Rechargeable
- No power supply needed

Speed and Accuracy

- Designed for harsh environments
- Quick and accurate
- High quality flares

Convenient for Narrow Space



Model	VET-22-S
Power	DC motor
Applicable Pipe	Copper pipe
Tubing O.D.	1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8"
Flaring Shape	Flared
Accessory	VTC-32, VTT-5







Accurate Flaring

Hand or Drill-Powered

• Easy to use

Axial Spacing

Accurate and consistent flaring

Annular Rivet Connection

Precise of flared

Lightweight

Lightweight Aluminum Body

45°Eccentric design

• Point contact flare, dimension standard, easy to use

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

Flaring Tool 45°Eccentric design Patented annular Rivet connection Precise positioning

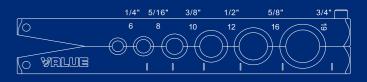
Usage method of quick-clamp











Accurate Flaring

Annular Rivet Connection

45°Eccentric design

Precise of flared

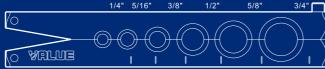
• Point contact flare, standard dimension, easy to use

Model	Tubing O.D.	Accessory	Packaging
VFT-808-IN	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	1	Blister packing
VFT-808-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	I	Blow case
VFT-808-I-02	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	1	Carton
VFT-808-MI	6, 8, 10, 12, 16, 19 mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	1	Blow case
VFT-808-IS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32	Blow case
VFT-808-MIS	6, 8, 10, 12, 16, 19 mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32	Blow case

Flaring Tool

Special design for R410A system





Accurate Flaring

Annular Rivet Connection

45°Eccentric design

Precise of flared

• 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"	1	Blow case
VFT-809-IS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-32	Blow case

The Outstanding Advantage of **VALUE's Flaring Tool**

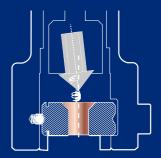
Annular rivet connection



FAQ of copper pipe	Reason	Solutions	Result of flaring
Uneven bell mouth dimensions falls short, and cannot be normally used	Traditional flaring bar Large space between up and down clamps Excessive gap of flaring bar	Annular rivet connection Annular rivet connection makes left and right flaring bar, and will never dislocate Small space between left and right bar	Even and smooth orifice, accurate dimensions

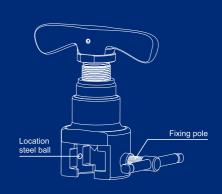
45° Eccentricity

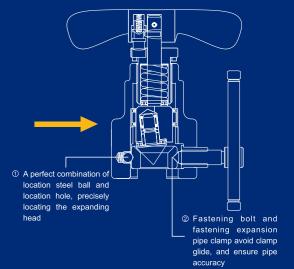
45° eccentricity, point contact reaming, standard dimensions, more convenient to use



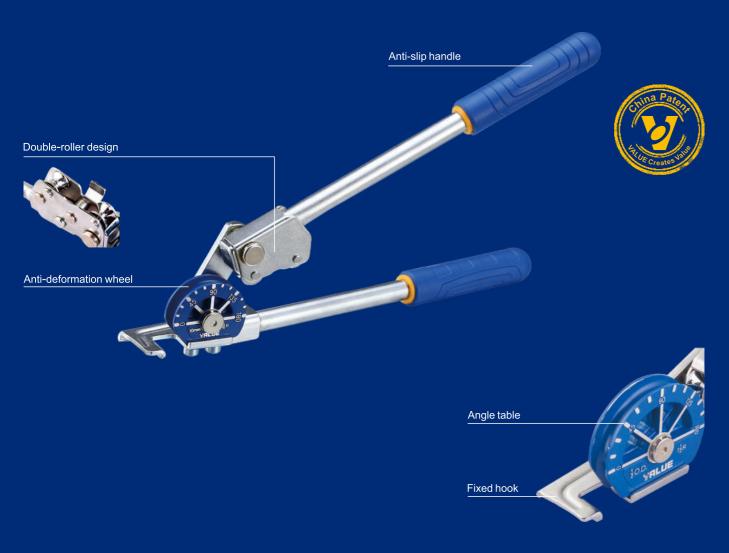
Precise Placing







Bending Tool



Easy to Bend

Double-rolle

- 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 annealled treated	hard pipe	

Bending Tool







Easy to Bend

Double-rolle

- 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 annealled treated hard pipe		

Power Tube Expander

NEW



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	7.4V Li-battery	7.4V 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

Hydraulic Tube Expander















Easy To Expand

Hydraulic Expander

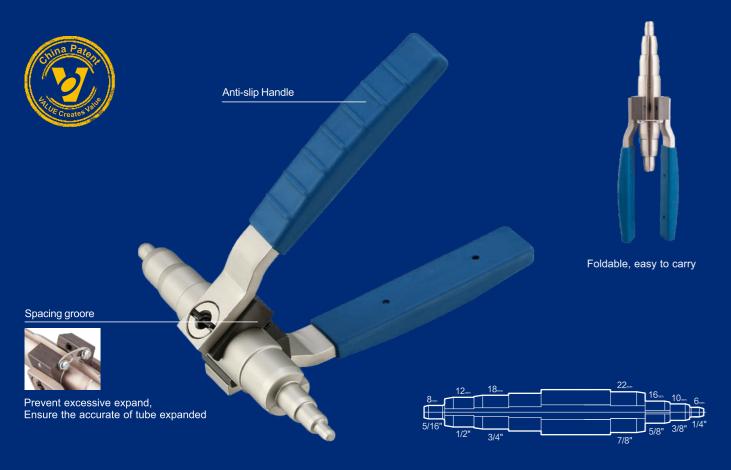
- One hand operation
- Suitable for larger diameter copper

Compa

- Convenient for narrow spaces
- Easy to use

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

Tube Expander





Easy to Expand

Easy to Use

Simple structure for expanding copper tubing

Anti-slip handle

• Easy to use

Easy to Carry

Foldable design for portability

Spacing Groore

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

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

Tube Cutter



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"	1/8"~1-1/4"	1/8"~1-3/8"	1/4"~1-5/8"	1/4"~2-5/8"
	3~19 mm	4~32 mm	4~35 mm	6~42 mm	6~67 mm



VTT-5 **Tube Deburring**



Easy to Deburr

Compact Design

Easy to carry

Spare Blade

• 2 spare blades are included

Replaceable Blades

• Easy to change blade

VRT-201/202 **Ratchet Spanner**





Reversible rotary lever

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-101 Capillary Tube Plier





Easy to Shear

Sharp Blade

• Excellent stainless steel blade, easy to shear capillary

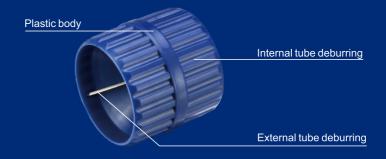
Spacing Spring

Easy to use

Anti-slip Handle

• Power holding, anti-slip, easy to shear

VRT-301 Deburring Tool



Easy to Deburr

Multi-blade Alloy Steel Internal Surface

Easy to deburring

Slip-resistant Aluminum Body Design

Light weight

Tube O.D.: 4-40 mm (1/8"-1-5/8")





Internal tube deburring External tube deburring

VRT-102 Sealing Pliers





Easy to Seal

Inactivate Jaw

• Power clamp force, it can seal copper pipe quickly

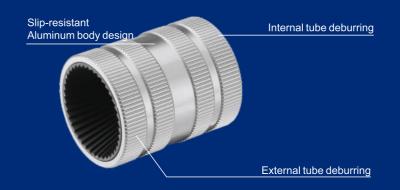
Force Adjusting Nut

• Easy to adjust clamp force

Ergonomic Design Handle

• Anti-slip design, easy to use

VRT-302 Internal & External Reamer



Easy to Deburr

Multi-blade Alloy Steel Internal Surface

Easy to deburring

Slip-resistant Aluminum Body Design

Light weight

Tube O.D.: 8-35 mm (1/3"-1-2/5")





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	Descrition	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
Complete With	Descrition	Quantity	Descrition	Quantity	Descrition	Quantity
Flaring Tool	VFT-808-I	1set	VFT-808-I	1set	VFT-808-I	1set
Tube Cutter	VTC-32	1pc	VTC-32	1pc	VTC-32	1pc
Tube Cutter	VTC-19	1pc	VTC-19	1pc	VTC-19	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	1	1	V01 V08	1set	V01 V08	1set
Adapter	1	1	1	1	CV01-CV12	1set
Package	Blow case	1pc	Blow box	1рс	Blow box	1pc





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, 28mm jaw **28** better experience, it's easy to use. High precision chip LCD backlit display Compact design MINI

Precise Measurement

High precision chip

Precise measurement

Compact design

Easy to carry

LCD backlit display

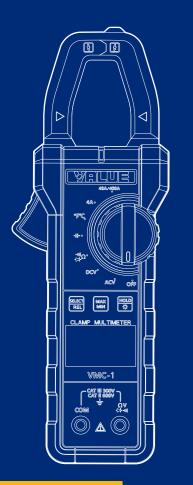
• Large screen data display, better readability

28mm jaw

 Suitable for more demanding circuit maintenance

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

HVAC instrument Accurate

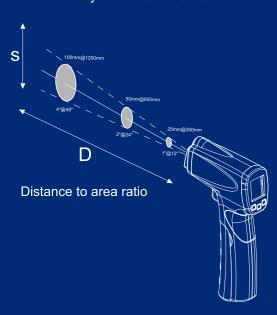


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VIT-300S

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

LCD Backlit Display

Clear display, easy to read

Large-aperture Silicon Mirror

- Measureds long distance
- Wide measuring range

One-key Temperature Measurement

• Easy to use, convenient

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

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.

Buzzing Remind



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 q

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

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

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

Precise Measurement

Large Backlight Display

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

65 VALUE Creates value Annual Control of the Contro

M1/M2

Condensate Pump

NEW





Electrode water level sensor

Ultra-Quiet, Reliable

Ultra-Quier DC motor

• Quiet operation

Large Capacity Tank

Reducing work times and extending life

Electrode water level sensor

Easy Maintenance

• Snap-on stucture, 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

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

S1/S2

Mini Condensate Pump

NEW





Electrode water level sensor

Ultra-Quiet, Reliable

Ultra-Quier DC motor

Quiet operation

Mini Design

Built-in Filter

 Effectively filter impurities and prevent blockage

Water Pipe Isolates from PCB

Anti-leakage & Anti-short circuit

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



High-end Series Ushering in the smart era of HVAC tools



Making Your Job More Enjoyable

Leading Technology, Superior Quality, Best Experience



Delivering unsurpassed customer value at every opportunity defines the mission of ***NANTEK**. We make it possible for HVAC technicians to complete jobs with more accuracy, ease, and efficiency. With that mission in mind, we proudly launch ***NANTEK** brand HVAC service tools. Utilizing industry leading technology, we have developed the industry's first smart vacuum pump VRP-8DI. The revolutionary design of these products provide HVAC technicians a better work experience. ***NANTEK** offers precision products: wireless refrigerant scales, HVAC tools, portable instruments, and impact-resistant manifold gauges. Starting with end users' requirements in mind, we integrate state-of-the-art technology and quality manufacturing to deliver a superior experience and a more relaxed, time-saving, enjoyable work environment. The launch of the ***NANTEK** brand marks the beginning of the smart era for HVAC tools.

Leading Technology, Superior Quality, Best Experience.

Making Your Job More Enjoyable

Li-battery Vacuum Pump

Suit for R32, 1234yf

The cordless vacuum pump VRP-2D I, 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 cachieve 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



Contemporary Good Design

Easy-to-use & portable

Mini Design

• Easy-to-use & portable

Making Your Job More Enjoyable



Lithium-powered, Portable and Light

DC Motor

 Lighter weight, more powerful, Faster evacuation

Ball Valve Switch

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

High Performance Lithium Battery

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

Big Sight Glass

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

Model	VRP-2D	VRP-2SLi
Flow Rate	2.0 CFM	2.0 CFM
FIOW Rate	57 L/min	57 L/min
Ultimate Vacuum	2 Pa	2 Pa
Olumate vacuum	23 micron	150 micron
Pump Design	Dual stage	Single stage
Inlet Port	1/4" SAE	1/4" SAE
Oil Capacity	160 ml	180 ml
Battery	18V 5Ah	18V 5Ah
Running time	50 min	75 min
Dimensions	233×90×190 mm	233×90×190 mm
Weight	3.2 kg	2.7 kg





Making Your Job More Enjoyable

Mini Design

• Easy-to-use & portable

VRP-4DLi

Li-battery Vacuum Pump Suit for R32, 1234yf



Lithium-powered, Portable and Light

DC Motor

• Lighter weight, more powerful, Faster evacuation

Ball Valve Switch

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

High Performance Lithium Battery

Running time reaches 50 minutes

Big Sight Glass

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

Model	VRP-4D L i
Flow Rate	4.0 CFM
Flow Rate	114 L/min
I liking at a Managara	2 Pa
Ultimate Vacuum	15 micron
Pump Design	Double stage
Inlet Port	1/4" SAE & 3/8"
Oil Capacity	260 ml
Battery	18V 9Ah
Running time	50 min
Dimensions	320×112×242 mm
Weight	7 kg



VRP-15D

Vacuum Pump



Suitable for evacuation of large commercial refrigeration, central AC systems.

With industrial grade technology, VRP-15D solves the problems of long-time evacuation, inadequate vacuum level in the service for large commercial refrigeration or central AC systems. The dual stage rotary vane pump and inverter motor lead to faster evacuation and a deeper vacuum. Integrate pump cylinder and built-in oil back-flow prevention assure the superior performance and reliability. The combination of enhanced technology and aesthetic design enable the VRP-15D to be a top of class product.

Leading Technology, Superior Quality, Best Experience.

Making Your Yob More Enjoyable





Anti-suckback anti-suckback valve

Double Speed, Super Vacuum Performance

Industrial	Grade	Design

High Quality, Super High Vacuum

High Evacuation Performance

Oil Back Flow Prevention

 No system oil contamination during power failure

DC Motor

Light, Fast

Integrated Dual Stage Pump

High Vacuum Level

Oil Drain Valve

Ball valve design, Easier to drain

Sight Glass

Easy to see, Eliminate oil shortage

Model	VRP-15D
Flow Rate	15 CFM
FIOW Rate	425 L/min
Ultimate Vacuum	0.67 Pa
Ullimate vacuum	5 micron
Pump Design	Dual stage
Motor Power	3/4 HP
Inlet Port	1/4", 3/8", 1/2" SAE
Oil Capacity	880 ml
Dimensions	414×152×310 mm
Weight	15 kg

Automatic Control Valve

Prevent oil back flow

Preserve vacuum

Making Your Job More Enjoyable

Smart Vacuum Pump



Smart Control Technology

DC Technology

- Lighter
- More efficient

Smart Contro

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

Vacuum Measurement Technology

- Precise micron measurement
- Vacuum display

Twin Cylinder

Higher ultimate vacuum

Model	VRP-6D	VRP-8D
51 5 1	6.0 CFM	8.0 CFM
Flow Rate	170 L/min	226 L/min
	15 micron	15 micron
Ultimate Vacuum	2x10 ⁻¹ Pa	2x10 ⁻¹ Pa
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	346×145×302 mm	346×145×302 mm
Weight	11.5 kg	11.5 kg

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

Vacuum Pump

Suit for

R32



Accurate/Efficient

Built-in Solenoid Valve

- Preserve vacuum during power failure
- Prevent oil back flow

Embedded Vacuum Gauge

Precision/Anti-Shock

DC Technology

LighterMore 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	15 micron	15 micron
	2x10 ⁻¹ Pa	2x10 ¹ Pa
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	346×145×302 mm	346×145×302 mm
Weight	11.5 kg	11.5 kg

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



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VRDDF

Recovery Unit for Flammable Refrigerants

Fast · Compact Ignition-Proof

VRDDF Recovery unit is suitable for Class I, Division 2, Group D T4. It is designed and tested to Ul121201, CSA C22.2 No.213-17 and EN 60079-7 standards. VRDDF adopts explosion-proof certified relay, substantial security circuit to limit energy, the engine temperature limit, such as IP rating for elaborate design, suitable for A2L, A2, A3 flammable refrigerants, to ensure the machine can be operated under the normal condition for the explosion-proof requirements.



Leading Technology, Superior Quality, Best Experience.

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VRDDF

Recovery Unit for Flammable Refrigerants



Fast · Compact · Ignition-Proof

Sparkless, Ignition-Proof Design

- Designed and tested to UL 121201, CSA C22.2
 No. 213 and EN 60079-7 Standards
- Suitable for A2L, A2 and A3 refrigerants

Oil-Free Compressor

Suitable for all commonly used refrigerants

Fast and Efficient Recovery

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

Purge Function

Prevent mixing of various refrigerants

Large Backlit Display

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

IP54 Waterproof Design

Prevent mixing of various refrigerants

Model		VRDDF			
Refrigerant		Categorys III: R12, R134a, R401C, R500, 1234yf, R600a Categorys IV: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A R411B, R412A, R502, R509, R290 Categorys 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	12 A	
Compressor		Oil-less, Air-cooled, Piston style			
Automatic Safety Shut-Off		38.5bar/3850kPa(558psi)			
		Categorys III	Categorys IV	Categorys V	
Recovery Rate	Vapor	0.43	0.54	0.54	
(kg/min)	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		370×250×297 mm			
Weight		11 kg			

-Cylinder

Brushless DC Motor

More efficient

Making Your Job More Enjoyable

VRR36C4



Fastest · Most Powerful

4-Cylinder

More powerful

Large Digital Display

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

Super-Efficient Condenser

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

Dual Oil-Free Compressors

• Suitable for all commonly used refrigerants

Model VRR36C4 Categorys III: R12, R134a, R401C, R500, 1234yf Categorys IV: R22, R401A, R401B, R402B, R407C, R407D, R408A,R409A,R411A R411B,R412A,R502,R509 Categorys V: R402A,R404A,R407A,R407B,R410A,R507,R32 Refrigerant Power Supply 220-240V~50/60Hz 115V~50/60Hz Brushless DC motor 1.5HP Motor Speed 3000 rpm 12 A Maximal Current Draw Oil-less, Air-cooled, Piston style Automatic Safety Shut-Off 38.5bar/3850kPa(558psi) Categorys III Categorys IV Categorys V Recovery Rate Vapor Liquid 4.20 5.78 7.63 9.90 Push/pull 8.10 9.00 Operating Temperature 0 °C-40 °C 410×275×300 mm Dimensions Weight 19 kg

VML-1

Leak Detector



Precise Measurement

Ergonomic Design

• Easy to carry

Lithium Battery

Rechargeable

Semiconductor Sensor

- Precise measurement
- Extended service life

External Power Supply

Extended use

The second secon		
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 yearunder normal usage	
Power	5V	
Calibration	auto	
Weight	350 g	
Length of probe	40 cm	

Impact-Resistant

Impact-resistant design

Durable rubber cover



Precision / Impact-Resistant

MANNTEK

• Precision pressure gauge with Class 0.4 accuracy

Folding Hook

• Hidden hook design ,easy to transport

Ball Valve Handle

- Efficient, convenient, easy
- Better work experience

• Easy to read

Digital Display

Model	VRM2-0101
Refrigerants scale	R22/R134a/R1234yf/R290/R404A/R407C/R410A/R32/R507
Pressure Scale	-30 inHg~720 psi
Hose	Red 1/4"-5/16"; Yellow1/4"-1/4"; Blue1/4"-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.

VRM2-B-0401

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

• Hidden hook design ,ea	sy to trans
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Model	VRM2-B-0401	VRM2-B-0501
Refrigerants scale	R22/R134a/R410A/R407C	R22/R134a/R404A/R407C
Gauge Diameter	Ф68 mm	Ф68 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.

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VRM1-0101

Digital Manifold Gauge



Precision / Impact-Resistant

• Precision pressure gauge with Class 0.4 accuracy

Folding Hook

Hidden hook design ,easy to transport

Ball Valve Handle

- Efficient, convenient, easy
- Better work experience

Digital Display

Easy to read

Impact-Resistant

- Impact-resistant design
- Durable rubber cover

Model	VRM1-0101
Refrigerants scale	R22/R134a/R1234yf/R290/R404A/R407C/R410A/R32/R507
Pressure Scale	-30 inHg~720 psi
Hose	Red 1/4"-5/16" ; Yellow1/4"-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

Folding Hook

 Precision pressure gauge with Class 1.0 accuracy

Hidden hook design ,easy to transport

Ball Valve Handle

- Efficient, convenient, easy
- Better work experience

Impact-Resistant

- Impact-resistant design
- Durable rubber cover

Model	VRM1-B-0403	VRM1-B-0404
Refrigerants scale	R22/R134a/R410A/R407C	R22/R134a/R410A/R407C
Gauge Diameter	Ф68 mm	Ф68 mm
Pressure Scale	-30 inHg ~ 800 psi;	-30 inHg ~ 550 psi;

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

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Wireless Refrigerant Scale



Precise Charging

Wireless Bluetooth Control

More convenient

Large Backlit Display

• Large screen data display, better readability

Precision Sensor

- Precision measurement
- Accuracy 0.05%

Integrated Handle Design

Magnesium alloy weighing pan

• Only 2.0Kg, easy to carry

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

Wireless Refrigerant Scale

Suitable for larger size refrigerant cylinders



Precise Charging

Wireless Bluetooth Control

More convenient

Aluminium Weighing Pan

- High strength, High reliability
- More durable

Precision Sensor

- Precision measurement
- Accuracy 0.05%

Large Backlit Display

Large screen data display, better readability

Larger Size Weighing Pan

Suitable for larger size refrigerant cylinders

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