

*High Quality Vacuum Pump
Refrigerant Recovery Unit and Refrigeration Tools*



VALUE[®]

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High Quality Vacuum Pump Refrigerant Recovery Unit and Refrigeration Tools



PROFESSIONAL MANUFACTURER

Founded in 1996, Value specializes in research, development and manufacture of vacuum pumps, and produces 250,000 rotary-vane vacuum pumps and 20,000 recovery units annually. The company has 48 senior engineers and the most advanced stream line, and provide customers with high cost-performance products.

QUALITY ASSURANCE

We have Japanese OKUMA vertical machining centers, German WENZEL 3D measuring machine, constant temperature and humidity assembly workshop, digital machine tools and Helium leakage detectors, etc. All these ensure the high quality of our products.



INNOVATION

Value has gained TÜV ISO9001:2000 quality system certification, CSA, UL, and CE product security certification, owning 30pcs Chinese patent.

GLOBAL SERVICE

Our products are popular in 63 countries and regions around the world, such as the United States, Japan and European Union. And we supply products to 10 Fortune 500 companies.

Our products can meet different voltages such as 220-240V/50-60Hz, 380V/50Hz, 115V/60Hz, 100V/50-60Hz, etc.



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VACUUM PUMPS

iPump SERIES

NEW REFRIGERANT

New Refrigerant Series vacuum pumps especially for R410A, R407C, etc..

iPump

High Ultimate Vacuum

15 micron

2~8 CFM



Single Stage

Item No .		V-120SV	V-140SV	V-160SV	V-180SV
Flow Rate	50 Hz	1.8 CFM	3.5 CFM	5.0 CFM	7.0 CFM
		51 l/min	100 l/min	142 l/min	198 l/min
	60 Hz	2.0 CFM	4.0 CFM	6.0 CFM	8.0 CFM
Ultimate Vacuum	Partial Pressure	2 Pa	2 Pa	2 Pa	2 Pa
		150 micron	150 micron	150 micron	150 micron
	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 " Flare	1/4 " Flare	1/4 " Flare	1/4 " Flare
Oil Capacity		250 ml	250 ml	415 ml	660 ml
Dimensions(mm)		290×124×255	318×124×265	338×138×275	395×145×318
Weight		6.7 kg	8.6 kg	10.3 kg	15.4 kg

* Weight: according to the motor 220V only.

VACUUM PUMPS

iPump SERIES



- High accuracy vacuum gauge shows system pressure.



- Innovative solenoid valve design of 100% preventing oil-returning, especially suitable for R410A new refrigerant.



- Integrated pump body structure, 15 micron of ultimate vacuum.



- Big sight glass, low oil level and forced-feed oil design to avoid running without oil and ensure reliable use.

Dual Stage

Item No .		V-220SV	V-240SV	V-260SV	V-280SV
Flow Rate	50 Hz	1.8 CFM	3.5 CFM	5.0 CFM	7.0 CFM
		51 l/min	100 l/min	142 l/min	198 l/min
	60 Hz	2.0 CFM	4.0 CFM	6.0 CFM	8.0 CFM
Ultimate Vacuum	Partial Pressure	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
		15 micron	15 micron	15 micron	15 micron
	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 " Flare	1/4 " Flare	1/4 " Flare	1/4 " Flare
Oil Capacity		200 ml	325 ml	460 ml	500 ml
Dimensions(mm)		318×124×265	338×138×275	395×145×318	395×145×318
Weight		9.0 kg	11.0 kg	16.6 kg	17.0 kg

* Weight: according to the motor 220V only.

VACUUM PUMPS

VE N SERIES / STANDARD VERSION

Totally Upgrade

VE N Series

More Reliable,
Higher Ultimate Vacuum

15 micron

2~10 CFM

Single Stage

Item No .		VE115N	VE125N	VE135N	VE160N	VE180N
Flow Rate	50 Hz	1.8CFM	2.5 CFM	3.5 CFM	6 CFM	8 CFM
		51 l/min	70 l/min	100 l/min	170 l/min	226 l/min
	60 Hz	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 Vacuum		2 Pa	2 Pa	2 Pa	2 Pa	2 Pa
		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 " Flare	1/4 " Flare	1/4 " & 3/8 " Flare	1/4 " & 3/8 " Flare	1/4 " & 3/8 " Flare
Oil Capacity		250 ml	250 ml	250 ml	415 ml	660 ml
Dimensions(mm)		290×124×224	290×124×224	318×124×234	338×138×244	395×145×257
Weight		6.6 kg	7.1 kg	8.0 kg	9.9 kg	14.6 kg

Dual Stage

Item No .		VE215N	VE225N	VE245N	VE260N	VE280N	VE2100N
Flow Rate	50 Hz	1.5 CFM	2.5 CFM	4.5 CFM	6 CFM	8 CFM	10 CFM
		42 l/min	70 l/min	128 l/min	170 l/min	226 l/min	283 l/min
	60 Hz	1.8 CFM	3 CFM	5 CFM	7 CFM	9 CFM	12 CFM
		50 l/min	84 l/min	142 l/min	198 l/min	254 l/min	340 l/min
Ultimate Vacuum		2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
		15 micron	15 micron	15 micron	15 micron	15 micron	15 micron
Power		1/4HP	1/3HP	1/2HP	3/4HP	1HP	1HP
Inlet Port		1/4 " Flare	1/4 " Flare	1/4 " & 3/8 " Flare	1/4 " & 3/8 " Flare	1/4 " & 3/8 " Flare	1/4 " & 3/8 " Flare
Oil Capacity		200 ml	200 ml	325 ml	580 ml	500 ml	590 ml
Dimensions(mm)		308×124×224	318×124×234	338×138×244	395×145×257	395×145×257	395×145×257
Weight		7.5 kg	8.5 kg	10.4 kg	15.8 kg	16.2 kg	16.7kg

VACUUM PUMPS

VE N SERIES / DUAL VOLTAGE SERIES

DUAL VOLTAGE

110~220V / 50~60Hz

Power plug

---make this connection with different power plugs easy.

Power supply conversion switch

---make sure this switch is set on the right place before your operating: 110V or 220V.



It's New

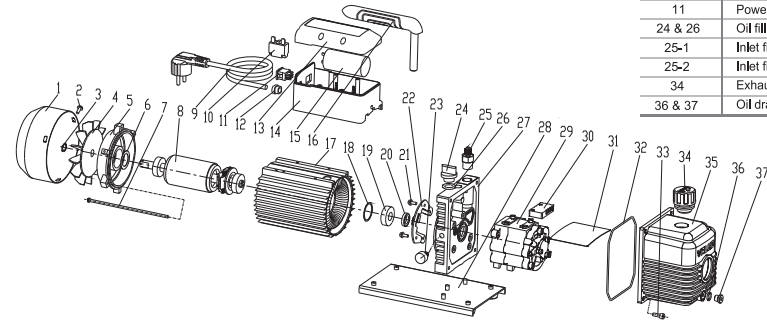


Dual Stage

Item No .		VE215ND	VE225ND	VE245ND
Flow Rate	50 Hz	1,5 CFM	2,5 CFM	4,5 CFM
		42 l/min	70 l/min	128 l/min
	60 Hz	1,8 CFM	3,0 CFM	5,0 CFM
		50 l/min	84 l/min	142 l/min
Ultimate Vacuum		2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
		15 micron	15 micron	15 micron
Power		1/4HP	1/3HP	1/2HP
Inlet Port		1/4 " Flare	1/4 " Flare	1/4 " & 3/8" Flare
Oil Capacity		200 ml	200 ml	325 ml
Dimensions(mm)		318×124×234	318×124×234	338×138×244
Weight		8,5 kg	8,5 kg	10,4 kg

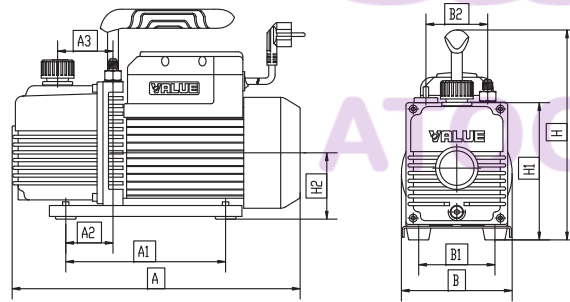
Item No .		VE260ND	VE280ND	VE2100ND
Flow Rate	50 Hz	6 CFM	8 CFM	10 CFM
		170 l/min	226 l/min	283 l/min
	60 Hz	7 CFM	9 CFM	12 CFM
		198 l/min	254 l/min	340 l/min
Ultimate Vacuum		2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
		15 micron	15 micron	15 micron
Power		3/4HP	1HP	1HP
Inlet Port		1/4 " & 3/8" Flare	1/4 " & 3/8" Flare	1/4 " & 3/8" Flare
Oil Capacity		580 ml	500 ml	590 ml
Dimensions(mm)		395×145×257	395×145×257	395×145×257
Weight		15.8 kg	16.2 kg	16.7 kg

Exploded View for iPumpSeries



1 Fan cover	11 Power switch	21 Cross screw	31 Anti-oil plate
2 Cross screw	12 Insulating bushing	22 Centrifugal switch base	32 O-ring
3 Elastic collar	13 Junction box cover	23 Gas ballast (2 stage only)	33 Screw
4 Fan	14 Junction box	24 Oil fill cap	34 Exhausting and oil inlet fitting
5 Motor cover	15 Capacitor	25 Inlet fitting	35 Oil housing assy.
6 Gasket	16 Handle	26 O ring	36 O-ring
7 Cross screw	17 Motor stator assy.	27 Trestle	37 Oil drain plug
8 Motor rotor	18 Gasket	28 Base	
9 Power supply cord	19 Bearing	29 Pump body	
10 Thermal protector	20 Seal	30 Anti-oil cover	

Dimensional Drawing



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

Spare Parts For iPump Series

Part No.	Description
10	Thermal protector
11	Power switch
24 & 26	Oil fill cap & O-ring
25-1	Inlet fitting cap 1/4"
25-2	Inlet fitting cap 3/8"
34	Exhausting and oil inlet fitting
36 & 37	Oil drain plug & O-ring

How to select a correct vacuum pump

Refrigerants category

Refrigerants category

Vacuum pumps with solenoid valve should be used for pumping new refrigerants. Otherwise, there might be a risk that the pump oil poured back to compressor, polluted and destroyed the refrigerants.

	New Refrigerant & old Refrigerant vacuum pump		Old refrigerant vacuum pump
R410A	R407C	R22	R22
	R404A	R12	R12
	R507A	R502	R502
	R134a	R500	R500

Flow rate

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

Flow rate	1~2L/S	3~4L/S
Applicable equipment	household refrigerator	Central air-conditioning
	household air-conditioning	Large household air-conditioning
	Car air-conditioning	bus air-conditioning
		large refrigerated warehouse

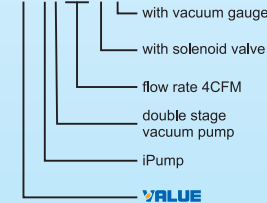
Ultimate vacuum

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

	Single Stage	Dual Stage
Ultimate vacuum	2Pa	2×10^{-1} Pa
Applicable equipment	household air-conditioning	Central air-conditioning
	Car air-conditioning	large refrigerated warehouse
	Refrigerator	

Vacuum pump selection table

V-i240SV



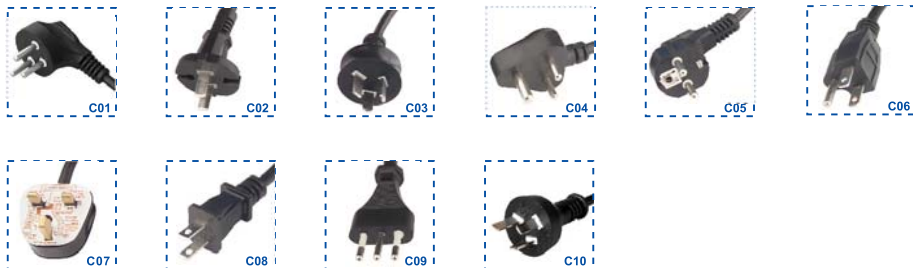
1L/S=2.12CFM

Adapt for old refrigerant			Adapt for all refrigerant (including R22, R410A etc.,)	
household air-conditioning household refrigerator Car air-conditioning	Large household air-conditioning bus air-conditioning	Central air-conditioning large refrigerated warehouse	household air-conditioning	Central air-conditioning Large household air-conditioning
VE115N	VE160N	VE245N	V-i140SV(2L/S)	V-i240 SV(2L/S)
VE135N	VE180N	VE280N		V-i280 SV(4L/S)
150 micron	150 micron	15 micron	150 micron	15 micron

ACCESSORIES

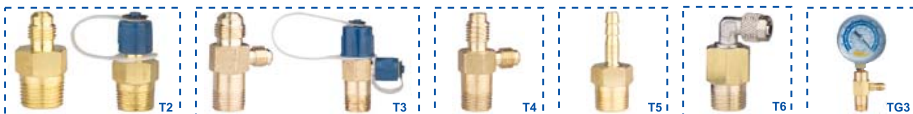
PLUG/ADAPTER

AC Power Supply Plugs



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

Intake Ports Adapters



Item	Description	Item	Description
T2	1/4" SAE	T5	1/4" Tube
T3	1/4" SAE 3/8" SAE	T6	1/4" Tube (Locked with M12×1 nut)
T4	1/4" SAE 1/2" Acme	TG3	1/4" SAE Vacuum Gauge

ACCESSORIES

VACUUM PUMP OIL

Vacuum Pump Oil

330ml (11.5 Oz)

500ml (18 Oz)



VALUE, Using SHELL Vacuum Pump Oil!
SHELL's Global Strategic Partner!

A wide choice of oil is available to obtain the best performance from pumps under different application conditions.

VALUE vacuum pumps can be operated with the oil listed below; using different oils can affect all specified ultimate vacuum and cold starting.

Item/Model	VPO-46	VPO-68
Kinematic Viscosity (40°C), mm ² /s	41.4~50.6	61.2~74.8
Viscosity Index	110	130
Flash Point (°C)	240	250
Pour Point (°C)	-10	-35
Type	Mineral oil	Synthetic di-ester oil

INDUSTRIAL VACUUM PUMPS

VALUE's VRD series vacuum pumps are designed and manufactured to meet the requirements of various scientific and industrial applications such as analytic instruments, laboratories and product line for refrigeration, electronics, light, semiconductor, etc..

Excellent Performance:

- Automatic anti-suckback valve, protect your system from oil and oil steam when power suddenly goes off.
- Internal forced oil cycling system, fully lubricates the pump and make the lifetime longer and vacuum better.
- Adjustable gas ballast for different needs of steam emission.
- High reliable integrated cylinder structure, suits production lines better.
- Different voltage types for different countries and regions.

Range of Use:

- Semiconductor Industry
- Scientific Instruments
- Mechanical Equipments
- Chemical Industry
- Vacuum Metallurgy
- Medical Instruments
- Vacuum Packaging



Dual Stage

It's New



Model		VRD-4	VRD-8	VRD-16	VRD-24	VRD-30	VRD-40	VRD-60
Displacement speed m/h (CFM)	50 Hz	4 (2.4)	8 (4.7)	16 (9.4)	24 (14.1)	30 (17.6)	50 (29.4)	65 (38.2)
	60 Hz	4.8 (2.8)	9.6 (5.6)	19.2 (11.2)	28.8 (16.9)	36 (21.2)	60 (35.3)	78 (45.9)
Ultimate Pressure (mbar)	Partial Pressure	5 × 10 ⁻³	5 × 10 ⁻³	5 × 10 ⁻³	5 × 10 ⁻³	5 × 10 ⁻³	5 × 10 ⁻³	5 × 10 ⁻³
	Total Pressure	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹	5 × 10 ⁻¹
Power supply		single/3-ph	single/3-ph	single/3-ph	single/3-ph	single/3-ph	3-ph	3-ph
Motor power (KW)		0.45 (single/3-ph)	0.55 (single/3-ph)	0.75/0.55 (single/3-ph)	1.1/0.75 (single/3-ph)	1.1 (single/3-ph)	2.2 (single/3-ph)	2.2 (single/3-ph)
Inlet and outlet port DN(mm)		16KF	16KF	25 KF	25 KF	25 KF	40 KF	40 KF
Oil capacity (L)		0.26~0.35	0.45~0.55	0.9~1.5	1.3~2.0	1.3~2.0	1.8~3.0	1.8~3.0
Motor speed (rpm)	50 Hz	1440	1440	1440	1440	1440	1440	1440
	60 Hz	1720	1720	1720	1720	1720	1720	1720
Ambient temperature (°C)		10~40	10~40	10~40	10~40	10~40	10~40	10~40
Noise level dB(A)		≤56	≤56	≤58	≤58	≤58	≤62	≤62
Type of Protection (IP)		44	44	44	44	44	44	44
Weight (kg)		19	21	32	35	43	65	76

VRD POWER SUPPLY TABLE

Model	VRD-4	VRD-8	VRD-16	VRD-24	VRD-30	VRD-40	VRD-60
Single Phase	100V/50Hz-60Hz	●	●	/	/	/	/
	110V/60Hz	●	●	/	/	/	/
	220V/50Hz	/	/	●	●	/	/
	220V/60Hz	/	/	●	●	/	/
	220V/50Hz-60Hz	●	●	/	/	/	/
3-Phase	380-420V/50Hz-60Hz	●	●	●	●	●	●
	200-220V/50Hz-60Hz	●	●	●	●	●	●

MINI REFRIGERANT RECOVERY UNIT

VRR12L / VRR24L

Mini Recovery Unit

VRR12L

- **One-key operation, easy to use.**
- **Equipped with high pressure protection.**
- **Oil-less compressor.**
- **13.5kg only, easy to carry.**
- **3/4 HP motor.**



13.5kg

VRR24L

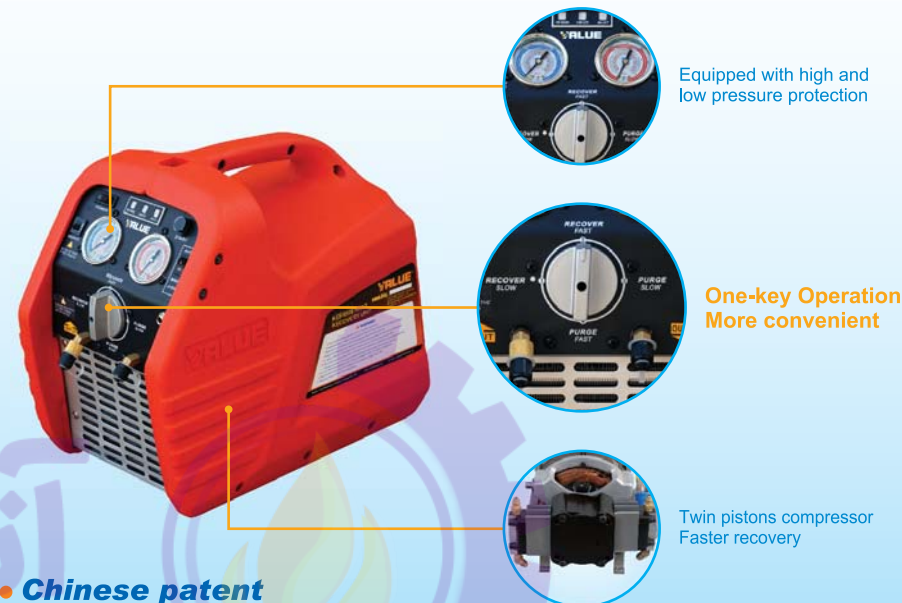
- **One-key operation, easy to use.**
- **Equipped with high, low pressure protection.**
- **80% over filling protection.**
- **Twin piston, oil-less compressor, faster recovery.**
- **1 HP motor.**



MINI REFRIGERANT RECOVERY UNIT

VRR12L / VRR24 L

LIGHTER · FASTER



- **Chinese patent**

SPECIFICATIONS

Model	VRR12L			VRR24L			
Refrigerants	Category III: R12, R134a, R401C, R406A, R500						
	Category IV: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R412A, R502, R509						
	Category V: R402A, R404A, R407A, R407B, R410A, R507						
Power Supply	230V/50~60 Hz, 115V/60 Hz, 100V/50~60 Hz			230V/50~60 Hz, 115V/60 Hz, 100V/50~60 Hz			
Motor	3/4 HP			1 HP			
Motor Speed	1450 rpm @50 Hz, 1750 rpm @60 Hz			1450 rpm @50 Hz, 1750 rpm @60 Hz			
Maximal Current Draw	4A @ 220V, 8A @ 100V / 110V			5A @ 220V, 10A @ 100V / 110V			
Compressor	Oil-less, Air-cooled, 1 Piston style			Oil-less, Air-cooled, 2 Piston style			
Automatic safety Shut-Off	38.5 bar / 3850 kPa (558 psi)			38.5 bar / 3850 kPa (558 psi)			
Recovery Rate (kg/min)		Category III	Category IV	Category V	Category III	Category IV	Category V
	Vapor	0.23	0.25	0.26	0.46	0.50	0.52
	Liquid	1.57	1.8	2.2	2.73	3.12	3.38
	Push/pull	4.64	5.57	6.22	7.47	8.37	9.95
Operating Temperature	0℃~ 40℃			0℃~ 40℃			
Dimensions	400 mm×250 mm×355 mm			400 mm×250 mm×355 mm			
Weight	13.5 kg			14.8 kg			

* For ARI certified ratings, please refer to www.aridirectory.org

REFRIGERANT RECOVERY UNIT

VRR12A / VRR12C

VRR12A



Filter drier



10cm(4 inch)
connection hose



- Economical recovery with 1/2 HP, oil-less compressor
- Suitable for all commonly used refrigerants including R410A
- ARI & CE certification approved

VRR12C

- **80% overfilling protection**

The unit will automatically stop when the weight of recovered refrigerant it reaches 80% capacity of the tank.

- **Low pressure protection**

The unit will automatically stop once the recover is complete, which reduces the need to monitor the whole process.

- **Oil separator device**

Purification and recycling of the refrigerants.



REFRIGERANT RECOVERY UNIT

VRR12A / VRR12C

PARTS DIAGRAM VRR12C



SPECIFICATIONS

Refrigerants		Category III: R12, R134a, R401C, R406A, R500 Category IV: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Category V: R402A, R404A, R407A, R407B, R410A, R507				
Power Supply		220V/50Hz	230V/50~60Hz	115V/60Hz	100V/50~60Hz	110~220V/50~60Hz
Motor		1/2 HP				
Motor Speed		1450 rpm @ 50 Hz			1750 rpm @ 60 Hz	
Maximal Current Draw		4A @ 220V			8A @ 100V / 110V	
Compressor		Oil-less, Air-cooled, Piston style				
Automatic safety Shut-Off		38.5 bar / 3850 kPa (558 psi)				
Recovery Rate (kg/min)		Category III	Category IV		Category V	
	Vapor	0.23	0.25		0.26	
	Liquid	1.57	1.8		2.2	
	Push/pull	4.64	5.57		6.22	
Operating Temperature		0℃~ 40℃				
Dimensions		500 mm×220 mm×340 mm				
Weight		16 kg				

* For ARI certified ratings, please refer to www.aridirectory.org

REFRIGERANT RECOVERY UNIT

VRR24 A / VRR24C

VRR24A / VRR24C

Powerful

FASTER RECOVERY

- **1 HP motor, Twin pistons compressor,**
Suitable for A/C system with **large volume** of refrigerants.

- **Equipped with high and low pressure protection with selective function of 80% O.F.P. and oil separator device.**

- **Chinese patent**



SPECIFICATIONS

Refrigerants		Category III: R12, R134a, R401C, R406A, R500 Category IV: R22, R401A, R401B, R402B, R407C, R407D, R408A, R409A, R411A, R411B, R412A, R502, R509 Category V: R402A, R404A, R407A, R407B, R410A, R507		
Power Supply		230V/50~60Hz	115V/60Hz	100V/50~60Hz
Motor		1 HP		
Motor Speed		1450 rpm @ 50 Hz		1750 rpm @ 60 Hz
Maximal Current Draw		4A @ 220V		8A @ 100V / 110V
Compressor		Oil-less, Air-cooled, Piston style		
Automatic safety Shut-Off		38.5 bar / 3850 kPa (558 psi)		
Recovery Rate (kg/min)		Category III	Category IV	Category V
	Vapor	0.46	0.5	0.52
	Liquid	2.99	3.25	3.51
	Push/pull	7.47	8.37	9.95
Operating Temperature		0°C ~ 40°C		
Dimensions (VRR24A)		515 mm×245 mm×360 mm		
Weight (VRR24A)		17 kg		

* For ARI certified ratings, please refer to www.aridirectory.org

REFRIGERANT RECOVERY UNIT

VRE12 P / STANDARD

REFRIGERANT RECOVERY & RECYCLING & EVACUATION STATION

VRE12P

- **Chinese patent**

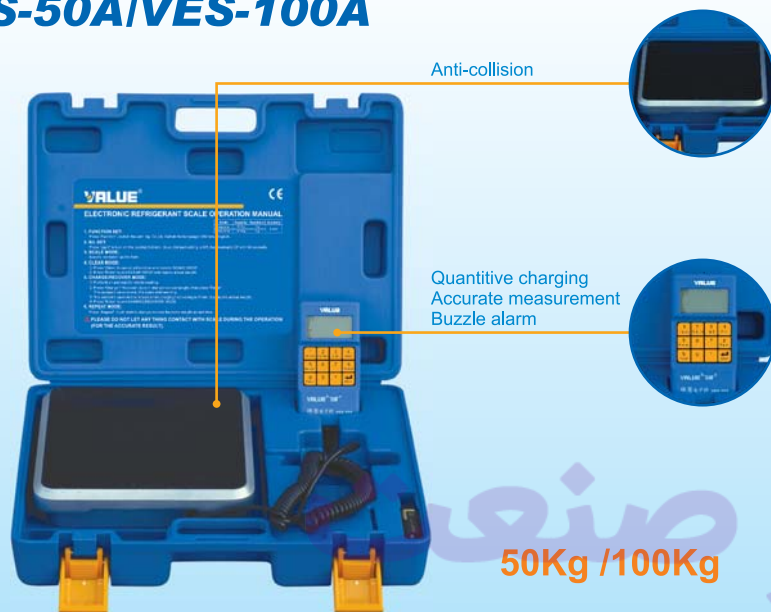


SPECIFICATIONS

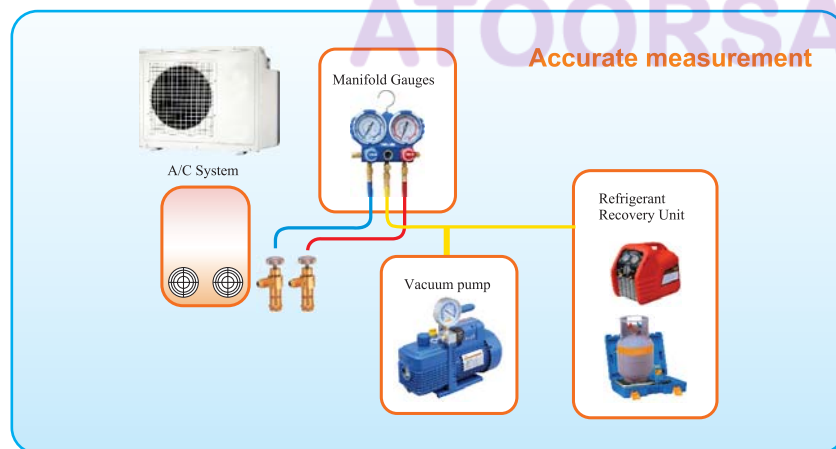
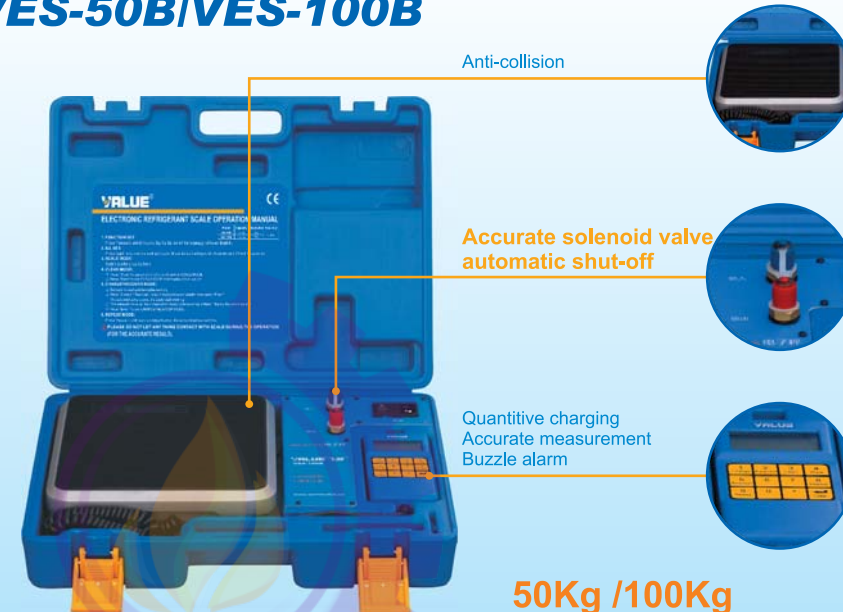
	Recovery unit		Vacuum pump	
Refrigerants	Cat.III: R-12,R-134a,R-401C,R-406A,R-500			
	Cat.IV: R-22,R-401A,R-401B,R-402B,R-407C,R-407D, R-408A,R-409A,R-411A,R-412A,R-502,R-509			
	Cat.V: R-402A,R-404A,R-407A,R-407B, R-410A,R-507			
Power	110-120V 60Hz			
	220-240V 50Hz			
	220-240V 50~60Hz			
Motor	1/2HP		1/3HP	
Motor Speed	1450rpm @ 50Hz			
	1750rpm @ 60Hz			
Max Current	4A @ 50Hz		3.5A @ 50Hz	
	8A @ 60Hz		6.5A @ 60Hz	
Compressor	Oil-less, Air cooled, Piston style			
High Pressure Cut-Off	38.5bar/558psi			

		Recovery unit			Vacuum pump	
Recovery Rate (kg/min)		Cat. III	Cat. IV	Cat. V		
	Vapor	0.23	0.25	0.26		
	Liquid	1.57	1.81	1.85		
	Push/Pull	4.64	5.57	6.22		
Vacuum Pump					2 Stage	
Free Air Displacement					5 CFM	
Ultimate Vacuum					25 micron	
Oil Capacity					10.8 oz	
Operating Temp.		0-40℃				
		VRE12P				
Dimensions		460(L) × 400(W) × 420(H)mm				
Net Weight		36 kg				

ACCURATE MEASUREMENT VES-50A/VES-100A



ACCURATE MEASUREMENT VES-50B/VES-100B



SPECIFICATIONS

Model	VES-50A	VES-100A	VES-50B	VES-100B
Weighing range	50 kg (110lb)	100 kg (220lb)	50 kg (110lb)	100 kg (220lb)
Resolution	2g	5g	2g	5g
Accuracy	0.05%		0.05%	
Display	LCD(7 segment)		LCD(7 segment)	
Power	9V DC Power		9V DC Power and 100V~220V AC Power	
Working Environment	-10°C~40°C (14°F~104°F) ≤75%RH		-10°C~40°C (14°F~104°F) ≤75%RH	
Platform Size	237×237mm (9-1/3" × 9-1/3")		237×237mm (9-1/3" × 9-1/3")	
Weight	5 kg		5.8 kg	
Anti-collision	YES		YES	
Buzzer Alarm	YES		YES	
Automatic Shut-off	No		YES	

MANIFOLD GAUGE

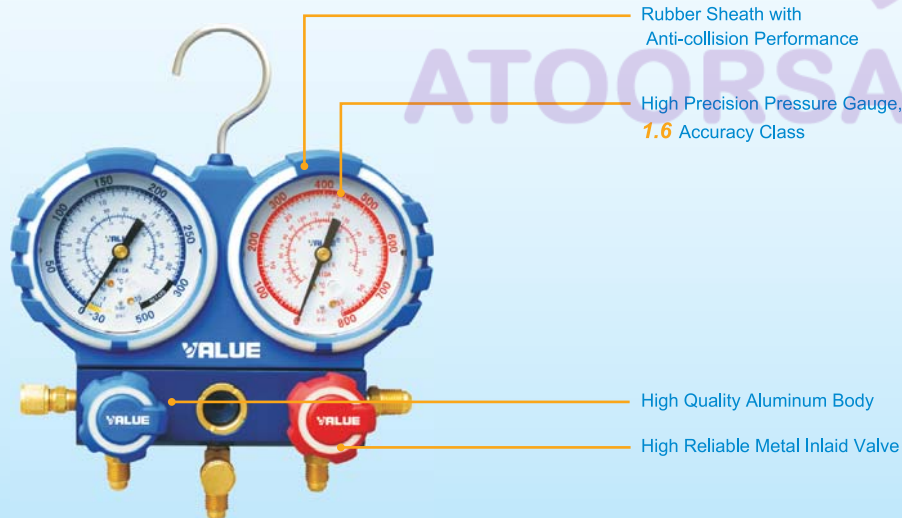
R410A MANIFOLD GAUGE

ACCURATE·ANTI-COLLISION

VALUE's VMG series manifold gauge sets are designed with unique appearance, and can meet different requirements for various refrigerants

VMG-2-R410A

• For New Refrigerant R410A



MANIFOLD GAUGE

R410A MANIFOLD GAUGE

Manifold Gauge for R410A



Model	VMG-2-R410A
Refrigerant	R410A
Gauge Diameter	80mm
Pressure Scale	0~800psi -30~500psi
Hose	Red: 150cm, 1/4", 5/16" Yellow: 150cm, 1/4", 1/4" Blue: 150cm, 1/4", 5/16"



Model	VMG-1-R410A-1
Refrigerant	R410A
Gauge Diameter	80mm
Pressure Scale	0~800psi
Hose	Red: 120cm, 1/4", 5/16" Yellow: 120cm, 1/4", 1/4"



Model	VMG-1-R410A-2
Refrigerant	R410A
Gauge Diameter	80mm
Pressure Scale	-30~500psi
Hose	Blue: 120cm, 1/4", 5/16" Yellow: 120cm, 1/4", 1/4"

High Strength Refrigerant Hoses

Model	Image	Pressure Scale	Length	Connector Size
VRP-R410A-R		≤800psi	120cm	1/4"-5/16"
VRP-R410A-Y		≤800psi	120cm	1/4"-1/4"
VRP-R410A-B		≤800psi	120cm	1/4"-5/16"

MANIFOLD GAUGE

R134a MANIFOLD GAUGE

ACCURATE·ANTI-COLLISION

VALUE's VMG series manifold gauge sets are designed with unique appearance, and meet different requirements for various refrigerants

VMG-2-R134a

• For R22, R134a, R404A, R407C



MANIFOLD GAUGE

R134a MANIFOLD GAUGE

Manifold Gauge for R134a, R22, R404A, R407C



Model	VMG-2-R134a
Refrigerant	R22, R134a, R404A, R407C
Gauge Diameter	80mm
Pressure Scale	-30~400psi -30~140psi
Hose	Red: 120cm, 1/4", 1/4" Yellow: 120cm, 1/4", 1/4" Blue: 120cm, 1/4", 1/4"



Model	VMG-1-R134a-1
Refrigerant	R22, R134a, R404A, R407C
Gauge Diameter	80mm
Pressure Scale	-30~400psi
Hose	Red: 120cm, 1/4", 1/4" Yellow: 120cm, 1/4", 1/4"



Model	VMG-1-R134a-2
Refrigerant	R22, R134a, R404A, R407C
Gauge Diameter	80mm
Pressure Scale	-30~140psi
Hose	Blue: 120cm, 1/4", 1/4" Yellow: 120cm, 1/4", 1/4"

High Strength Refrigerant Hoses

Model	Image	Pressure Scale	Length	Connector Size
VRP-R134a-R		≤600psi	120cm	1/4"-1/4"
VRP-R134a-Y		≤600psi	120cm	1/4"-1/4"
VRP-R134a-B		≤600psi	120cm	1/4"-1/4"

FLARING TOOLS

FLARING TOOL

45° Flaring Tools

VFT-808

• Chinese patent

It's New

ACCURATE



VFT-808-I

VFT-808-MI



Item No.	Tube O.D. Flare
VFT-808-I	3/16" , 1/4" , 5/16" , 3/8" , 1/2" , 5/8" , 3/4"
VFT-808-MI	Universal: 6, 8, 10, 12, 14, 16, 19 mm 3/16" , 1/4" , 5/16" , 3/8" , 1/2" , 5/8" , 3/4"

FLARING TOOLS

FLARING TOOL

Bearing • Type Flaring Tool

VFT-809

It's New



Easy operation while space is tight
Self-centering design, easy to use.



VFT-809-I



Item No.	Tube O.D. Flare
VFT-809-I	1/4" , 3/8" , 1/2" , 5/8" , 3/4"

FLARING TOOLS

FLARING TOOL

ACCURATE • FASTER

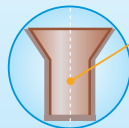
Electrical Flaring Tool

VET-19-F

It's New



Environmental Li-ion Battery
LI-ION 1.5Ah



Precision Symmetry

• **Chinese patent**



- 5-second fast and accurate flaring
- Unlimited by environment condition
- Flaring bar self centering design, easy use



Item No.	Tube O.D.
VET-19-F	1/4" , 5/16" , 3/8" , 1/2" , 5/8" , 3/4"

TUBE CUTTER

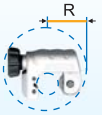
TUBE CUTTER

SHARP Tube Cutter

VTC-28B/32/42



Adjustment Knob Japanese Rapid Tool Steel Ball Bearings



VTC-19/28



- Grinding blade, uses high-quality alloy tool steel, Grinding process.
- Unique ball bearing design. Easy cutting.

• **Chinese patent**



Item No.	Description
VTC-19	For 1/8" ~ 3/4" (3~19mm)
VTC-28	For 1/8" ~ 1-1/8" (4~28mm)
VTC-28B	For 1/8" ~ 1-1/8" (4~28mm)
VTC-32	For 1/8" ~ 1-1/4" (4~32mm)
VTC-42	For 1/4" ~ 1-5/8" (6~42mm)

INTEGRATED TOOLS KIT

Integrated Tool Box

VTB-5B-I



Item No.	Spare Part	Description	Quantity
VTB-5B-I	Flaring Tool	VFT-808-I	1set
	Tube Cutter	VTC-28B	1pc
	Tube Cutter	VTC-19	1pc
	Manifold Gauge	VMG-2-R410A	1set
	Scraper	VTT-5	1pc
	PVC Box	Box	1pc



VFT-808-IS



VFT-808-MIS



VFT-809-IS

Item No.	Tube O.D.	
	Flare	Tube Cutter
VFT-808-IS	3/16" , 1/4" , 5/16" , 3/8" , 1/2" , 5/8" , 3/4"	VTC-28B
VFT-808-MIS	Universal: 6, 8, 10, 12, 14, 16, 19 mm 3/16" , 1/4" , 5/16" , 3/8" , 1/2" , 5/8" , 3/4"	
VFT-809-IS	1/4" , 3/8" , 1/2" , 5/8" , 3/4"	

