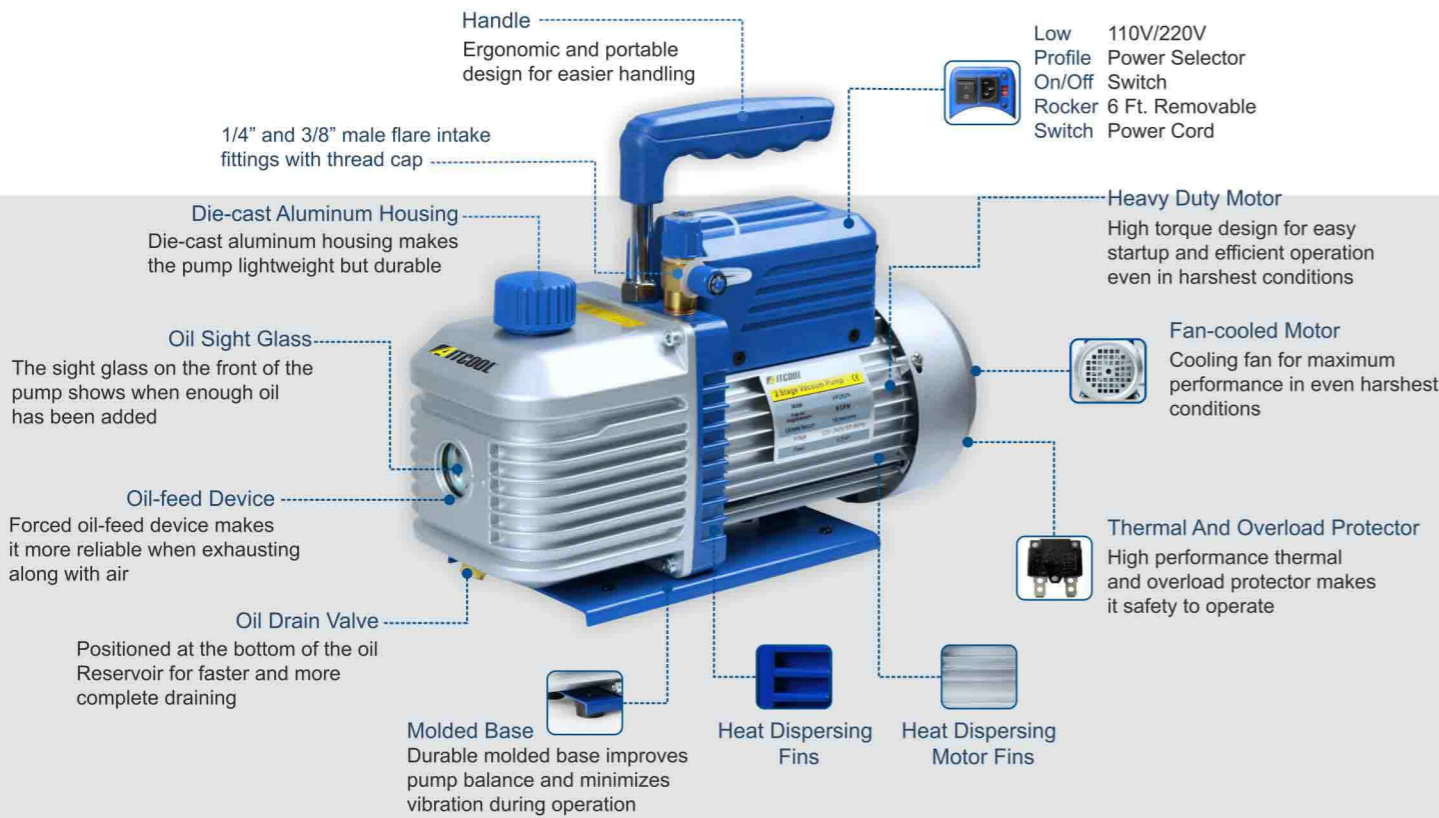


STANDARD SERIES

Suitable for automobile air conditioning, household air conditioning, central air conditioning and cold storage refrigeration equipment

Vacuum Pump (VP N Series)
More Stable,Longer Worklife



FEATURES

- 100% Copper Coil Motor,Longer Work life
- Built-in Thermal And Overload Protector, More Reliable
- CSA,UL Approved Components
- With Integral Structure Pump Body Processed By CNC Center, Higher Accuracy,More Stable
- Powerful Oil Cycling System:**
 - Oil Inlet Port Located In The Bottom Of Pump Body Makes Pump Work Efficiently Even With Less Oil

- Optional Device:**
 - Solenoid Valve + Built-in 50mm Vacuum Gauge
 - Automatic Anti-reflux Of Oil
 - For Easy Measurements Of Vacuum
- High Efficiency Cooling Device :**
 - For Maximum Performance in even harshest conditions
 - Heat Dispersing Fins on Oil Tank,Trestle And Motor
- Fan-cooled Motor
- Axial Ventilation Structure

TECHNICAL SPECIFICATION

1 Stage Vacuum Pump

Model		VP115N	VP130N	VP140N	VP170N	VP190N
Flow Rate	50Hz	1.8 CFM	2.5 CFM	3.5 CFM	6.0 CFM	8.0 CFM
		51 L/min	71 L/min	100 L/min	170 L/min	227 L/min
	60Hz	2.0 CFM	3.0 CFM	4.0 CFM	7.0 CFM	9.0 CFM
Ultimate Vacuum	partial pressure	2 Pa	2 Pa	2 Pa	2 Pa	2 Pa
	total pressure	150 microns	150 microns	150 microns	150 microns	150 microns
Power		1/4 HP	1/4 HP	1/3 HP	3/4 HP	3/4 HP
Inlet Port		1/4" SAE	1/4" SAE	1/4"&3/8" SAE	1/4"&3/8" SAE	1/4"&3/8" SAE
Oil Capacity		240 ml	230 ml	330 ml	280 ml	320 ml
Dimensions		240×93×200mm	240×93×200mm	280×115×230mm	320×125×232 mm	340×132×245mm
Weight		4.0 kg	4.3 kg	7.0 kg	8.5 kg	12.0 kg

2 Stage Vacuum Pump

Model		VP215N	VP230N	VP250N
Flow Rate	50Hz	1.8CFM	2.5CFM	4.5 CFM
		51 L/min	71 L/min	128 L/min
	60Hz	2.0 CFM	3.0 CFM	5.0 CFM
Ultimate Vacuum	partial pressure	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
	total pressure	15 microns	15 microns	15 microns
Power		1/4 HP	1/3 HP	1/2 HP
Inlet Port		1/4"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE
Oil Capacity		230 ml	300 ml	350 ml
Dimensions		240x93x200 mm	280x115x230 mm	320x125x232 mm
Weight		4.3 kg	7.8 kg	8.6 kg

Model		VP270N	VP290N	VP2200N
Flow Rate	50Hz	6.0 CFM	8.0 CFM	10 CFM
		170 L/min	227 L/min	283 L/min
	60Hz	7.0CFM	9.0 CFM	12 CFM
Ultimate Vacuum	partial pressure	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
	total pressure	15 microns	15 microns	15 microns
Power		3/4 HP	1 HP	1 HP
Inlet Port		1/4"&3/8"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE
Oil Capacity		450 ml	630 ml	630 ml
Dimensions		340x132x245 mm	390x145x252 mm	390x145x252 mm
Weight		12.5 kg	15.5 kg	16 kg

STANDARD SERIES



National high-tech enterprise / Supplier to fortune 500 enterprises

Vacuum Pump(VP N Series)
More Stable,Longer Worklife



- Low 110V/220V
- Profile Power Selector
- On/Off Switch
- Rocker 6 Ft. Removable
- Switch Power Cord

TECHNICAL SPECIFICATION

2 Stage Vacuum Pump

		VP230ND	VP250ND	VP270ND	VP290ND	VP2200ND
Flow Rate	50Hz	2.5CFM	4.5 CFM	6.0 CFM	8.0 CFM	10 CFM
		71 L/min	128 L/min	170 L/min	227 L/min	283 L/min
	60Hz	3.0 CFM	5.0 CFM	7.0CFM	9.0 CFM	12 CFM
Ultimate Vacuum	partial pressure	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
	total pressure	15 microns	15 microns	15 microns	15 microns	15 microns
Power		1/3 HP	1/2 HP	3/4 HP	1 HP	1 HP
Inlet Port		1/4"&3/8"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE	1/4"&3/8"SAE
Oil Capacity		300 ml	350 ml	450 ml	630 ml	630 ml
Dimensions		280x115x230 mm	320x125x232 mm	340x132x245 mm	390x145x252 mm	390x145x252 mm
Weight		7.8 kg	8.6 kg	12.5 kg	15.5 kg	16 kg

Vacuum Pump(A-I Series)
New Structure,Low Speed Motor,
More Reliable



TECHNICAL SPECIFICATION

1 Stage Vacuum Pump

Model		A-i120	A-i140	A-i160	A-i180
Flow Rate	50Hz	1.8CFM	3.5CFM	5.0CFM	7.0CFM
		51L/min	100L/min	142L/min	198L/min
	60Hz	2.0CFM	4.0CFM	6.0CFM	8.0CFM
Ultimate Vacuum	partial pressure	2Pa	2Pa	2Pa	2Pa
	total pressure	150mircons	150mircons	150mircons	150mircons
Power		1/3HP	1/2HP	1/2HP	3/4HP
Inlet Port		1/4" SAE	1/4"& 3/8"SAE	1/4"& 3/8"SAE	1/4"& 3/8"SAE
Oil Capacity		230ml	230ml	350ml	320ml
Dimensions		240×93 ×200 mm	320×125×232 mm	340×132×245 mm	360×132×245 mm
Weight		5.0kg	8kg	11.0kg	13.5kg

2 Stage Vacuum Pump

Model		A-i220	A-i240	A-i260	A-i280	A-i2200
Flow Rate	50Hz	1.8 CFM	3.5 CFM	5.0 CFM	7.0 CFM	10 CFM
		51 L/min	100 L/min	142 L/min	198 L/min	283 L/min
	60Hz	2.0 CFM	4.0 CFM	6.0CFM	8.0 CFM	12 CFM
Ultimate Vacuum	partial pressure	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
	total pressure	15mircons	15mircons	15mircons	15mircons	15mircons
Power		1/2 HP	1/2 HP	3/4 HP	1 HP	1 HP
Inlet Port		1/4"& 3/8"SAE	1/4"& 3/8"SAE	1/4"& 3/8"SAE	1/4"& 3/8"SAE	1/4"& 3/8"SAE
Oil Capacity		350 ml	600 ml	500 ml	600 ml	550 ml
Dimensions		320×125×232 mm	340×132×245 mm	360x132x245 mm	390x145x252 mm	390x145x252 mm
Weight		8.5kg	11 kg	13.5 kg	15 kg	17 kg

Vacuum Pump(R32 Series)

New Structure,Low Speed Motor,
More Reliable

Suit for R32,HFO-1234yf refrigerant



TECHNICAL SPECIFICATION

2 Stage Vacuum Pump

Model		A-i220-R32	A-i240-R32	A-i260-R32	A-i280-R32	A-i2200-R32
Flow Rate	50Hz	1.8 CFM	3.5 CFM	5.0 CFM	7.0 CFM	10 CFM
		51 L/min	100 L/min	142 L/min	198 L/min	283 L/min
	60Hz	2.0 CFM	4.0 CFM	6.0CFM	8.0 CFM	12 CFM
		57 L/min	113 L/min	170 L/min	227 L/min	340 L/min
Ultimate Vacuum	partial pressure	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
	total pressure	15mircons	15mircons	15mircons	15mircons	15mircons
Power		1/2 HP	1/2 HP	3/4 HP	1 HP	1 HP
Inlet Port		1/4" & 3/8"SAE	1/4" & 3/8"SAE	1/4" & 3/8"SAE	1/4" & 3/8"SAE	1/4" & 3/8"SAE
Oil Capacity		350 ml	600 ml	500 ml	600 ml	550 ml
Dimensions		320×125×232 mm	340×132×245 mm	360x132x245 mm	390x145x252 mm	390x145x252 mm
Weight		8.5kg	11 kg	13.5 kg	15 kg	17 kg

Vacuum Pump(R32 Series)

More Stable,Longer Worklife



TECHNICAL SPECIFICATION

1 Stage Vacuum Pump

Model		A-i140 SG-R32	A-i180 SG-R32
Flow Rate	50Hz	3.5CFM	7.0CFM
		100L/min	198L/min
	60Hz	4.0CFM	8.0CFM
		113L/min	227L/min
Ultimate Vacuum	partial pressure	2Pa	2Pa
	total pressure	150mircons	150mircons
Power		1/2HP	3/4HP
Inlet Port		1/4" SAE	1/4" SAE
Oil Capacity		230ml	320ml
Dimensions		320×125×232 mm	360×132×245 mm
Weight		8kg	13.5kg

2 Stage Vacuum Pump

Model		A-i220 SG-R32	A-i240 SG-R32	A-i260 SG-R32	A-i280 SG-R32	A-i2200 SG-R32
Flow Rate	50Hz	1.8 CFM	3.5 CFM	5.0 CFM	7.0 CFM	10 CFM
		51 L/min	100 L/min	142 L/min	198 L/min	283 L/min
	60Hz	2.0 CFM	4.0 CFM	6.0CFM	8.0 CFM	12 CFM
		57 L/min	113 L/min	170 L/min	227 L/min	340 L/min
Ultimate Vacuum	partial pressure	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa	2×10 ⁻¹ Pa
	total pressure	15mircons	15mircons	15mircons	15mircons	15mircons
Power		1/2 HP	1/2 HP	3/4 HP	1 HP	1 HP
Inlet Port		1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE	1/4" SAE
Oil Capacity		350 ml	600 ml	500 ml	600 ml	550 ml
Dimensions		320×125×232 mm	340×132×245 mm	360x132x245 mm	390x145x252 mm	390x145x252 mm
Weight		8.5kg	11 kg	13.5 kg	15 kg	17 kg

Vacuum Pump(ARV Series)
Industrial,fast,excellent Performance

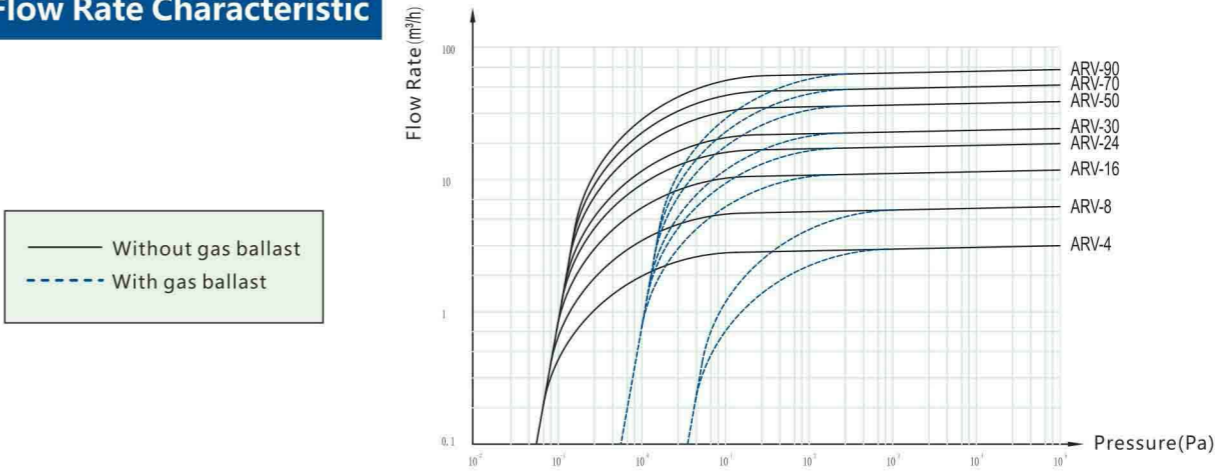


Features



- Gas ballast**
To meet the requirements of different customers vacuum degree and water vapor processing capacity.
- Fluorine rubber seals**
Improve corrosion resistance and solve oil leakage problems.
- High quality oil mist filter**
Effectively filter oil mist, protect the environment clean.
- Excellent performance**
Integral steel structure, with higher precision, proven rotary technology, make the performance more stable, to ensure that the system has higher reliability.
- 100% Capper Coil Motor**
Safe, stable and reliable.
- Low noise**
Run quietly, do not interfere with work.
- Forced lubrication**
Built-in gear pump and constant pressure oil supply mechanism forced oil supply, high suction pressure can also be stable and reliable operation.
- Double anti-oil return structure**
Automatic anti-oil return valve more reliably protects your vacuum system from oil contamination after shutdown.
- Anti-corrosion (optional)**

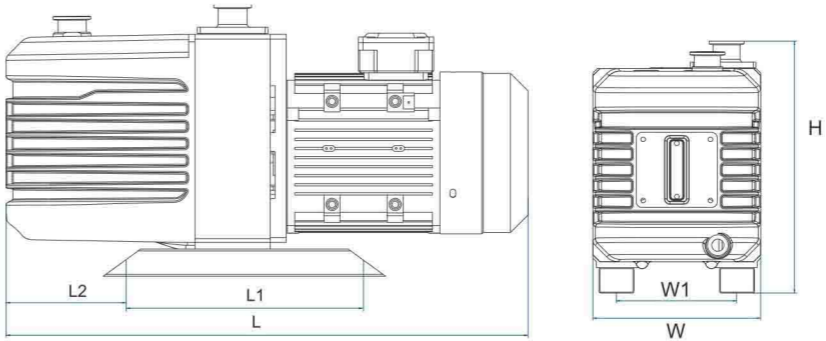
Flow Rate Characteristic



TECHNICAL SPECIFICATION

Model		ARV-16	ARV-24	ARV-30
Flow Rate m³/h(L/s)	50Hz	16(4.4)	24(6.7)	30(8.3)
	60Hz	19.2(5.3)	28.8(8)	36(10)
Ultimate partial Pressure gas ballast close(Pa)		4x10 ⁻²	4x10 ⁻²	4x10 ⁻²
Ultimate pressure when gas ballast open to I(Pa)		4x10 ⁻¹	4x10 ⁻¹	4x10 ⁻¹
Ultimate pressure when gas ballast open to II(Pa)		8x10 ⁻¹	8x10 ⁻¹	8x10 ⁻¹
Power supply		single/3-phase	single/3-phase	single/3-phase
Rated Power(kW)		1.1/0.75	1.1/0.75	1.1
Inlet and Exhaust port		KF25	KF25/KF40	KF25/KF40
Exhaust flange		KF25	KF25/KF40	KF25/KF40
Oil capacity (L)		0.9-1.5	1.2-2	1.2-2
Motor Speed (rpm)	50Hz	1440	1440	1440
	60Hz	1720	1720	1720
Operation Temp(°C)		5-40	5-40	5-40
Noise Level(dB)		≤58	≤58	≤60
Weight(kg)		30	35	38

尺寸(mm):



Model	L	W	H	L1	L2	W1
ARV-16	550	192	320	330	88	138
ARV-24	550	192	320	330	88	138
ARV-30	550	192	320	330	88	138

Vacuum Pump(VPI Series)
Heavy-duty,industrial Vacuum Pump



Features



• Gas ballast

To meet the requirements of different customers vacuum degree and water vapor processing capacity.

• Fluorine rubber seals

Improve corrosion resistance and solve oil leakage problems.

• High quality oil mist filter

Effectively filter oil mist, protect the environment clean.

• Six-way air intake structure

Three four-way air inlets design,make the vacuum work faster.

• Excellent performance

Integral steel structure, with higher precision, proven rotary technology, make the performance more stable, to ensure that the system has higher reliability.

• 100% Capper Coil Motor

Safe, stable and reliable.

• Low noise

Run quietly, do not interfere with work.

• Forced lubrication

Built-in gear pump and constant pressure oil supply mechanism forced oil supply, high suction pressure can also be stable and reliable operation.

• Double anti-oil return structure

Automatic anti-oil return valve more reliably protects your vacuum system from oil contamination after shutdown.

• Vacuum gauge

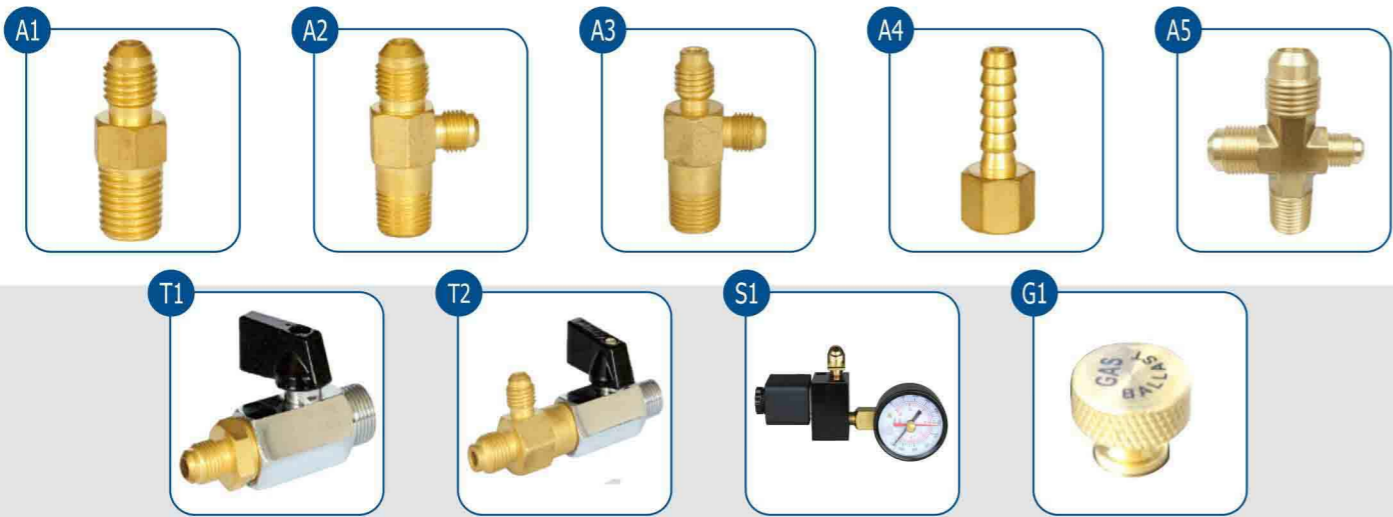
Vacuum gauge to check the vacuum situation.

TECHNICAL SPECIFICATION

Model		VPI2014	VPI2024
Flow Rate (L/S)	50 Hz	6	8
Ultimate partial Pressure gas ballast close		4×10^{-2} Pa	4×10^{-2} Pa
Ultimate pressure when gas ballast open to I		4×10^{-1} Pa	4×10^{-1} Pa
Ultimate pressure when gas ballast open to II		8×10^{-1} Pa	8×10^{-1} Pa
Power supply		single/3-phase	single/3-phase
Rated Power		0.75kw/0.55kw	1.1kw
Inlet and Exhaust port		1/4"SAE&3/8"SAE&5/8"SAE	1/4"SAE&3/8"SAE&5/8"SAE
Oil capacity		0.9-1.5L	1.2-2.0L
Motor Speed (rpm)	50 Hz	1440	1440
	60 Hz	1720	1720
Operation Temp		5-40°C	5-40°C
Noise Level(dB)		≤58	≤58
Weight		32kg	38kg

- Suitable for large engineering equipment,refrigeration equipment and the other vacuum work.
- With integral structure pump body,more stable,thorough evacuation.
- Independent low speed motor,higher quality,longer work life.
- Non-spark series is optional

Intake Port



Item	Description
A1	1/4"SAE
A2	1/4"&3/8"SAE
A3	1/4"SAE&1/2"ACME
A4	Hose Adapter
A5	1/4"&3/8"SAE&5/8"SAE

Item	Description
T1	Ballvalve+1/4"SAE
T2	Ballvalve+1/4"SAE&1/2"ACME
S1	Solenoid valve+50mm Gauge
G1	Gas ballast

Power Supply Plugs



Item	Description
P1	American plug
P2	Europe plug
P3	UK plug
P4	Australia plug
P5	Argentina plug

Item	Description
P6	Brazil plug
P7	India plug
P8	Isreal plug
P9	Italy plug
P10	Japan plug

Refrigerant Recovery Unit(R32 Series)

Lighter,faster,Higher Performance

Suit for R32,HFO-1234yf refrigerant



FEATURES

- Suitable for all commonly used refrigerants,including R32,HFO-1234yf.
- Compact and Portable design.
- Suitable for all the main voltage design in the market.
- Individual design for special customers.

TECHNICAL SPECIFICATION

Model		RECO250-R32			RECO520-R32		
Refrigerants		Cat. III : R-12, R-134a, R-401C, R-406A, R-500, HFO-1234yf					
		Cat. IV : R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A,					
		R-409A, R-411A, R-411B, R-412A, R-502, R-509					
		Cat. V : R-402A, R-404A, R-407A, R-407B, R-410A, R-507, R32					
Power		110-127V/60HZ 220-240V 50/60HZ					
Motor		1/2HP AC;Capacitor start			1HP AC;Capacitor start		
Max.Current		4A@50HZ 8A@60HZ			6A@50HZ 12A@60HZ		
Compressor		Oil-less; air cooled; One-piston style			Oil-less; air cooled; Twin-piston style		
Refrigerant Recovery Rate		Cat. III	Cat. IV	Cat. V	Cat. III	Cat. IV	Cat. V
	Vapor	0.23kg/min	0.25kg/min	0.26kg/min	0.46kg/min	0.50kg/min	0.52kg/min
	Liquid	1.57kg/min	1.81kg/min	1.85kg/min	3.14kg/min	3.62kg/min	3.70kg/min
	Push/Pull	4.46kg/min	5.57kg/min	6.22kg/min	9.28kg/min	11.14kg/min	12.44kg/min
High pressure shut-off		38bar/550psi					
Low pressure shut-off		Optional					
80%OFP.Shut-off kit		Optional					
Operating Temp.		0℃-40℃					
Dimensions		465mm(L)X220MM(W)X345mm(H)			465mm(L)X220MM(W)X345mm(H)		
Net Weight		10kg			11kg		

Refrigerant Recovery Unit(R32 Series)

Lighter,faster,Higher Performance

Suit for R32,HFO-1234yf refrigerant



Oil Separator
Separate oil from A/C system

FEATURES

- Suitable for all commonly used refrigerants,including R32,HFO-1234yf.
- Compact and Portable design.
- Suitable for all the main voltage design in the market.
- Individual design for special customers.

TECHNICAL SPECIFICATION

Model		RECO250S-R32			RECO520S-R32			
Refrigerants		Cat.III : R-12, R-134a, R-401C, R-406A, R-500, HFO-1234yf						
		Cat.IV : R-22, R-401A, R-401B, R-402B, R-407C, R-407D, R-408A,						
		R-409A, R-411A, R-411B, R-412A, R-502, R-509						
		Cat. V : R-402A,R-404A,R-407A,R-407B,R-410A,R-507, R32						
Power		110-127V/60HZ 220-240V 50/60HZ						
Motor		1/2HP AC;Capacitor start			1HP AC;Capacitor start			
Max.Current		4A@50HZ 8A@60HZ			6A@50HZ 12A@60HZ			
Compressor		Oil-less; air cooled; One-piston style			Oil-less; air cooled; Twin-piston style			
Refrigerant Recovery Rate		Cat. III	Cat. IV	Cat. V	Cat. III	Cat. IV	Cat. V	
	Vapor	0.23kg/min	0.25kg/min	0.26kg/min	0.46kg/min	0.50kg/min	0.52kg/min	
	Liquid	1.57kg/min	1.81kg/min	1.85kg/min	3.14kg/min	3.62kg/min	3.70kg/min	
	Push/Pull	4.46kg/min	5.57kg/min	6.22kg/min	9.28kg/min	11.14kg/min	12.44kg/min	
Recycling Rate		1.57kg/min	1.81kg/min	1.85kg/min	3.14kg/min	3.62kg/min	3.70kg/min	
High pressure shut-off		38bar/550psi						
Low pressure shut-off		Optional						
80%OFP.Shut-off kit		Optional						
Operating Temp.		0℃-40℃						
Dimensions		465mm(L)X220MM(W)X345mm(H)			465mm(L)X220MM(W)X345mm(H)			
Net Weight		10kg			11kg			

Leak Detector



- Built-in heated semi-conductor gas sensor Imported from Japan,
- High resolution,fast response.
- Long&flexible probe for easier and more convenient job.

FEATURES



Rechargeable
Built-in Lithium Battery
Micro-USB charging port
Charging Parameters:5V 1A,
Fully charging time about 4-5 hours



Built-in visual alarm for notification of leakage detection



4 button for easy operation:
Power on/off
Reset
Sensitivity L/M/H
Mute button



Built-in audible alarm for notification of leakage detection

TECHNICAL SPECIFICATION


Model	ALD-301
Suitable for refrigerant	CFC,HCFC,HFC refrigerant
Minimum of leakage	≤3g/year(R134A)
Response time	≤3s(regarding the size and distance source of leaks)
Life time of battery	≥8 hours
Pressure of system under test	≥50 kPa
Life time of sensor	≥1 year under normal usage
Power	5V
Calibration	auto
Weight	Only 350g
Length of Probe	40cm


Packing in strong blow case to avoid any damages to leak detector


Vacuum Gauge



FEATURES


- 


Audible and visual alarm for high and low vacuum. The Vacuum sentry guards system service activity and provides notification when preset alarm thresholds are met
- 

4 button for easy operation:
Power on/off
Reset
Lock/Set the vacuum data
Unit shift
- 

Large backlit LCD display
Display updates every 1/2 second
Time evacuation and vacuum decay process

- 

Rechargeable
Built-in Lithium Battery
Micro-USB charging port
Charging Parameters: 5V 1A,
Fully charging time about 3-4 hours
- 

Built-in Pirani Sensor Imported from Germany,
High resolution, fast response.
- 

T-Coupler/Extension Coupler
Coupler ensures leak free connection to vacuum gauges during measurements.
Thread: 1/4" SAE Female & Male
Filter: Brass filter inside to prevent from oil pollution to the vacuum sensor

TECHNICAL SPECIFICATION

Model	ADG-01
Maximum overload pressure	72PSI/0.5Mpa
Range	0~10000Pa、0~100.00mBar、 0~75.000mmHg、0~75000Microns
Resolution	0.01(<10Pa)、0.0001(<10mBar)、 0.0001(<10mmHg)、1(<30000Microns)
Accuracy	2~100Pa:±5% of reading(at 20°C)
Operating temperature	0~50°C
Unit	Micron,Pa,Torr,mBar、
Sensor	Pirani sensor
Dimensions	147*59*33mm
Weight	Only 125g

Packing in strong bag to avoid any damages to vacuum gauge

Charging Scale



Blow Case
Rugged, blow case for maximum protection from damage with ergonomic and portable design



- Large LCD and Sensor
- Anti-collision control box with rubber protector
- Six-button keypad, With weight lock device and resolution choice device

Model: CS-50/CS-100

- Large LCD and Sensor
- Four-button keypad



TECHNICAL SPECIFICATION

Model	CS-50	CS-100	CS-50N	CS-100N
Capacity	110LB/50KG	220LB/100KG	110LB/50KG	220LB/100KG
Unit Shift	LB/KG/OZ	LB/KG/OZ	LB/KG/OZ	LB/KG/OZ
Accuracy	0.05% of reading	0.05% of reading	0.05% of reading	0.05% of reading
Resolution	2g	5g	2g & 1g	5g & 2g
Display	Large LCD, 67*25mm	Large LCD, 67*25mm	Large LCD, 67*25mm	Large LCD, 67*25mm
Lamp	Three gear backlight	Three gear backlight	Three gear backlight	Three gear backlight
Platform	230*230mm	230*230mm	230*230mm	230*230mm
Weight	3.6kg	3.6kg	4.0kg	4.0kg
Power	9V battery included	9V battery included	9V battery included	9V battery included
Operating Temp.	-4 ℉ to 156 ℉ / -10 ℃ to 50 ℃	-4 ℉ to 156 ℉ / -10 ℃ to 50 ℃	-4 ℉ to 156 ℉ / -10 ℃ to 50 ℃	-4 ℉ to 156 ℉ / -10 ℃ to 50 ℃
Programmable	No	No	No	No

Charging Scale



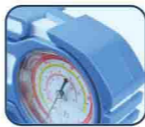
TECHNICAL SPECIFICATION

Model	CS-50V	CS-100V
Capacity	110LB/50KG	220LB/100KG
Unit Shift	LB/KG/OZ	LB/KG/OZ
Accuracy	0.05% of reading	0.05% of reading
Resolution	2g & 1g	5g & 2g
Display	Large LCD,67*25mm	Large LCD,67*25mm
Lamp	Three gear backlight	Three gear backlight
Platform	230*230mm	230*230mm
Weight	4.5kg	4.5kg
Power	9V battery included	9V battery included
Operating Temp.	-4 ℉ to 156 ℉/-10 ℃ to 50 ℃	-4 ℉ to 156 ℉/-10 ℃ to 50 ℃
Programmable	Yes	Yes

Manifold Gauge Set
Higher Quality And Precision



FEATURES



Rubber cover design with anti-collision performance



Strong metal knob,longer work life
Sight glass for view of the refrigerant movement.



High precision pressure gauge



Good quality rubber hose with Teflon gasket,the length can be customized

TECHNICAL SPECIFICATION

Two-valve manifold gauge set

Model	HMG-2-R410A-II	HMG-2-R134a-II	HMG-2-R32-II	HMG-2-1234yf
Refrigerants scale	R410A,R22,R407C,R134a	R134a,R22,R404A,R407C	R410A,R32	R134a,HFO-1234yf
Gauge Diameter	Φ68mm	Φ68mm	Φ68mm	Φ68mm
Pressure Scale	0~800psi;-30~0psi;0~550psi	0~400psi;-30~0psi;0~350psi	0~800psi;-30~0psi;0~550psi	0~400psi;-30~0psi;0~350psi
Connector	1/4"SAE-M	1/4"SAE-M	1/4"SAE-M	1/4"SAE-M
Hose	●Red-Yellow-Blue:1/4"SAE-F x1/4"SAE -F ●Red&Blue:1/4"SAE-F x5/16"SAE-F; Yellow:1/4"SAE-F x 1/4"SAE-F	●Red-Yellow-Blue:1/4"SAE-F x1/4"SAE -F ●Red&Blue:1/4"SAE-F x5/16"SAE-F; Yellow:1/4"SAE-F x 1/4"SAE-F	●Red-Yellow-Blue:1/4"SAE-F x1/4"SAE -F ●Red&Blue:1/4"SAE-F x5/16"SAE-F; Yellow:1/4"SAE-F x 1/4"SAE-F	●Red-Yellow-Blue:1/4"SAE-F x1/4"SAE -F ●Red&Blue:1/4"SAE-F x5/16"SAE-F; Yellow:1/4"SAE-F x 1/4"SAE-F
Standard Length	90cm	90cm	90cm	90cm
Package	Blow case/Blister packing/ Box packing	Blow case/Blister packing/ Box packing	Blow case/Blister packing/ Box packing	Blow case/Blister packing/ Box packing

Notice:All the above information is standard size,We also could manufacturer according to your requirment.

STANDARD SERIES



National high-tech enterprise / Supplier to fortune 500 enterprises

Manifold Gauge Set
Higher Quality And Precision



FEATURES

- Rubber cover design with anti-collision performance
- High precision pressure gauge

- Strong metal knob, longer work life
Sight glass for view of the refrigerant movement.
- Good quality rubber hose with Teflon gasket, the length can be customized

TECHNICAL SPECIFICATION

Four-valve manifold gauge set

Model	HMG-4-R410A-II	HMG-4-R134a-II	HMG-4-R32-II	HMG-4-1234yf
Refrigerants scale	R410A,R22,R407C,R134a	R134a,R22,R404A,R407C	R410A,R32	R134a,HFO-1234yf
Gauge Diameter	Φ68mm	Φ68mm	Φ68mm	Φ68mm
Pressure Scale	0~800psi;-30~0psi;0~550psi	0~400psi;-30~0psi;0~350psi	0~800psi;-30~0psi;0~550psi	0~400psi;-30~0psi;0~350psi
Connector	3x1/4"SAE,1x3/8"SAE	3x1/4"SAE,1x3/8"SAE	3x1/4"SAE,1x3/8"SAE	3x1/4"SAE,1x3/8"SAE
Hose	●Red-Yellow-Blue:1/4"SAE-F x1/4"SAE -F ●Red&Blue:1/4"SAE-F x5/16"SAE-F; Yellow:1/4"SAE-F x 1/4"SAE-F	●Red-Yellow-Blue:1/4"SAE-F x1/4"SAE -F ●Red&Blue:1/4"SAE-F x5/16"SAE-F; Yellow:1/4"SAE-F x 1/4"SAE-F	●Red-Yellow-Blue:1/4"SAE-F x1/4"SAE -F ●Red&Blue:1/4"SAE-F x5/16"SAE-F; Yellow:1/4"SAE-F x 1/4"SAE-F	●Red-Yellow-Blue:1/4"SAE-F x1/4"SAE -F ●Red&Blue:1/4"SAE-F x5/16"SAE-F; Yellow:1/4"SAE-F x 1/4"SAE-F
Standard Length	90cm	90cm	90cm	90cm
Package	Blow case/Blister packing/ Box packing	Blow case/Blister packing/ Box packing	Blow case/Blister packing/ Box packing	Blow case/Blister packing/ Box packing

Notice:All the above information is standard size,We also could manufacturer according to your requirment.

Manifold Gauge Set

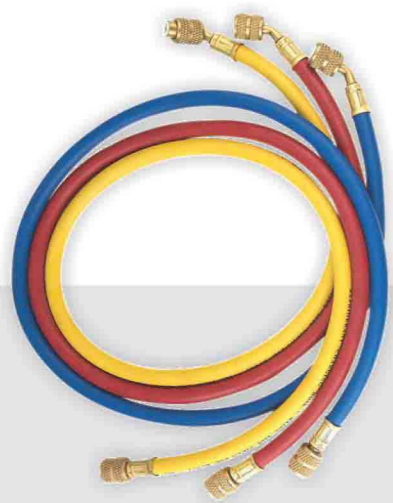


TECHNICAL SPECIFICATION

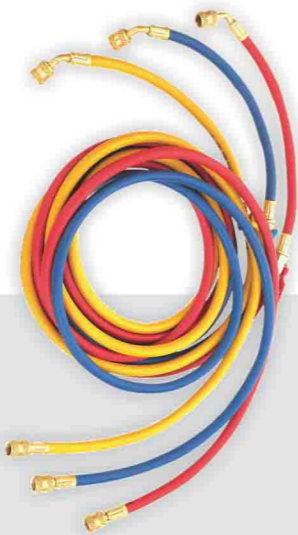
High/Low Pressure Gauge	Gauge Diameter	Unit	Refrigerants	Thread
	Φ68mm	℃/Psi/Bar	R410A,R22, R407C,R134a	NPT1/8"
	Φ68mm	℃/Psi/Bar	R134a,R22, R404A,R407C	NPT1/8"
	Φ68mm	℃/°F/Psi/Bar	R410A,R32	NPT1/8"
	Φ68mm	℃/°F/Psi/Bar	R134a,HFO-1234yf	NPT1/8"

Notice:All the above information is standard size,We also could manufacturer according to your requirment.

Accessory



Without check valve



With check valve

Refrigerant Hose

- Anti-leakage,More reliable
- Higher strength&quality

TECHNICAL SPECIFICATION

Model	Details	Length	W.P.I	Burst P.	Connector Size	Check Valve
AHA-90	R22	90cm	500psi	2500psi	● Red-Yellow-Blue: 1/4"SAE-F x 1/4"SAE -F	Optional
AHA-120		120cm				
AHA-150		150cm				
AHB-90	R134a	90cm	600psi	3000psi	● Red-Yellow-Blue: 1/4"SAE-F x 1/4"SAE -F ● Red&Blue: 1/2"ACME -F x M14-M; Yellow: 1/2"ACME-F x 1/2"ACME-F	Optional
AHB-120		120cm				
AHB-150		150cm				
AHC-90	R410A	90cm	800psi	4000psi	● Red-Yellow-Blue: 1/4"SAE-F x 1/4"SAE -F ● Red&Blue: 1/2"ACME -F x M14-M; Yellow: 1/2"ACME-F x 1/2"ACME-F	Optional
AHC-120		120cm				
AHC-150		150cm				



Quick Coupler

- Quick coupler with valve
- Suitable for all commonly used refrigerants
- Adapter on the side
- Thread is optional

TECHNICAL SPECIFICATION

Model	Description
HQC-ML	Low pressure coupler
HQC-MH	High pressure coupler

Flaring Tool
45° Eccentric cone type Flaring Tool



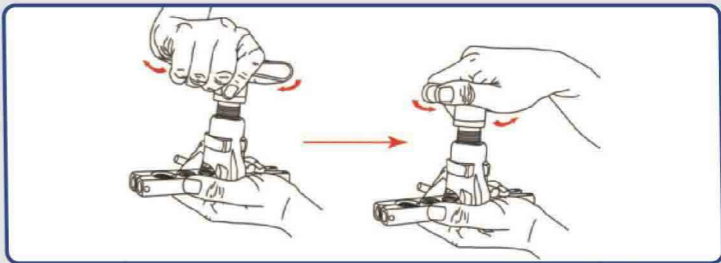
- Easy operation,save time and energy.
- The special cone eccentric revolution will be allows the internal opening gradually and form45°accurate and regular flare without preventing tube slippage downward.Therefore,theflare face will be smooth, uniform without scratching.
- Eccentric cone will be rebound by itself after the work is finished.make the idle top head inrevolution again for 1-2 rounds and have the flare face in friction to make it prettier.

Model	Tube O.D.	Packing
AFT-E808	1/4",5/16",3/8",1/2",5/8",3/4"	Color box/Blister packing

Ratchet Eccentric cone type Flaring Tool



- This precision tool provides smooth,uniform flares with minimum effort.
- The new ratcheting feed screw handle turns easily and requires less motion and effort than a standard handle.hand need not leave the handle to complete the flare work.more convenient to operate.
- Hardened steel flaring cone,eccentrically mounted in needle bearings, produces rolling action for even metal flow,giving uniform flare walls without galling.



Model	Tube O.D.	Packing
AFT-E809	1/4",5/16",3/8",1/2",5/8",3/4"	Color box/Blister packing

STANDARD SERIES

Tube Cutter
High-precision&Sharp Tube Cutter



- Mini cutter,Length 7cm
- Big capacity in small size
- Include 2 general-purpose rollers
- 100% factory tested to ensure accuracy

FEATURES



Adjustment knob,unique non-slip design.



High-performance ball bearings are used in both the roller and sharp alloy steel blade,so the cutter turns easily with only slight force even under the cutting load applied,more efficiently.



The ultra precise ball bearings stabilize tube better,make heavy-duty cut processing with higher quality.



Widely apply to cutting of thin-walled copper,titanium, stainless steel, aluminum tube and polyethylene(PE) pipes.

TECHNICAL SPECIFICATION

Model	Description	Material
ATC-319	1/8"~3/4"(3~19mm)	Zinc Alloy Body
ATC-28E	1/8"~1 1/8"(4~28mm)	Aluminum Alloy Body
ATC-32E	1/8"~1 1/4"(4~32mm)	Aluminum Alloy Body
ATC-42E	1/4"~1 5/8"(6~42mm)	Aluminum Alloy Body
ATC-70E	1/4"~2 5/8"(6~67mm)	Aluminum Alloy Body

Bending Tool

Model:ADT-1

- Well polished surface.
- Adopts sharp cutting edge,provides you a better finish.
- Easy to use,convenient to carry with.
- Quick to change blade by pushing the button.
- One extra blades inside



Tool Kit



ATK-1



ATK-2

TECHNICAL SPECIFICATION

Items Included	ATK-1	ATK-2
Flaring Tool	AFT-E808: 1SET	AFT-E809: 1SET
Tube Cutter	ATC-28E: 1PC	ATC-28E: 1PC
Deburring Tool	ADT-1: 1PC	ADT-1: 1PC



ATK-3



ATK-4

TECHNICAL SPECIFICATION

Items Included	ATK-3	ATK-4
Flaring Tool	AFT-E808: 1SET	AFT-E809: 1SET
Tube Cutter	ATC-28E: 1PC	ATC-28E: 1PC
Manifold gauge	Two-valve manifold gauge: 1PC	Two-valve manifold gauge: 1PC
Refrigerant Tube	90CM length: 1SET	90CM length: 1SET
Deburring Tool	ADT-1: 1PC	ADT-1: 1PC