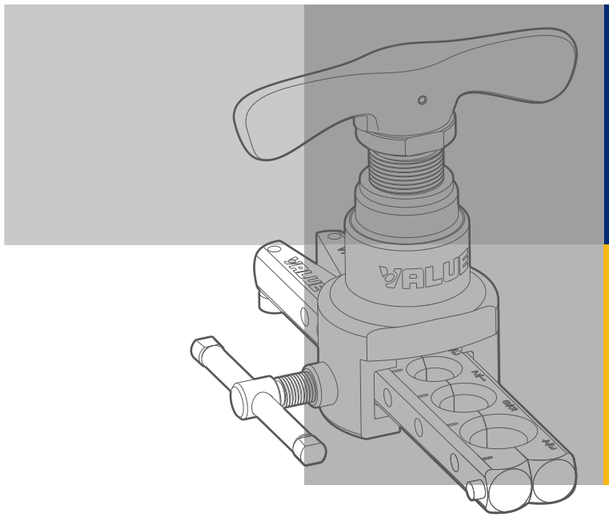
Tools

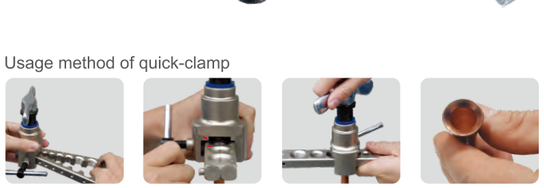


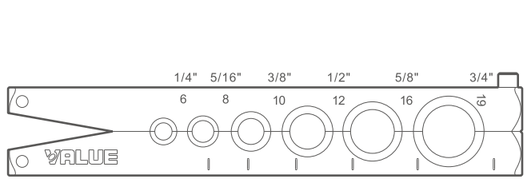
Pipe Tools / HVAC Instrument

Easy

Chinese Patent 200930135544.9

Usage method of quick-clamp





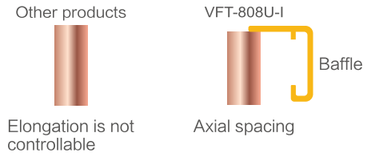
Accurate Flaring

Annular Rivet Connection
- Precise of flared

45° Eccentric design
- Point contact flare, standard dimension, easy to use

Model	Tubing O.D.	Accessory	Packaging
VFT-808-IN	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blister packing
VFT-808-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808-I-02	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Carton
VFT-808-MI	6, 8, 10, 12, 16, 19mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808-MI-02	6, 8, 10, 12, 15, 16, 18mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808-IS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-28B	Blow case
VFT-808-MIS	6, 8, 10, 12, 16, 19mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-28B	Blow case
VFT-808-IE	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VST-22	Blow case

Usage method of quick-clamp



Accurate Flaring

Axial Spacing
- Accurate and consistent flaring

Nitride Treatment
- Long service life
- Robust and durable

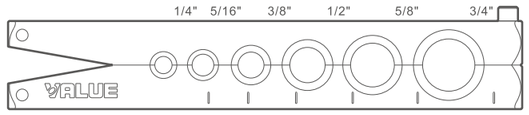
Annular Rivet Connection
- Precise of flared

45° Eccentric design
- Point contact flare, dimension standard, easy to use

Model	Tubing O.D.	Accessory	Packaging
VFT-808U-MIS	6, 8, 10, 12, 16, 19mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-28B	Blow case
VFT-808U-MI	6, 8, 10, 12, 16, 19mm 1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-808U-IS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-28B	Blow case
VFT-808U-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case

Flaring Tool

Special design for R410A system



Accurate Flaring

Annular Rivet Connection

- Precise of flared

45° Eccentric design

- Point contact flare, dimension standard, easy to use

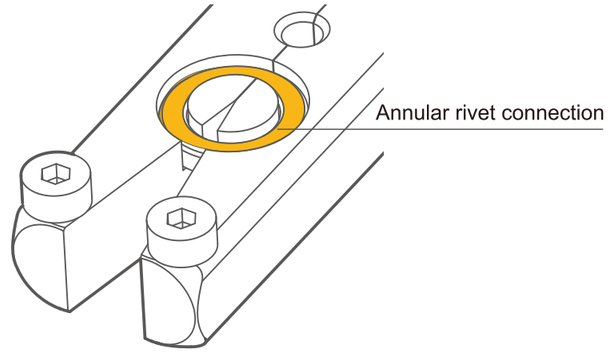
2 In 1 Flaring Bar

- Suitable for metric-inch, easy to use

Model	Tubing O.D.	Accessory	Packaging
VFT-809-I	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	/	Blow case
VFT-809-IS	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"	VTC-28B	Blow case

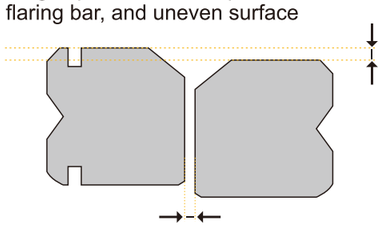
The Outstanding Advantage of VALUE's Flaring Tool

Annular rivet connection



The differences between traditional flaring bar and VALUE's annular rivet connection

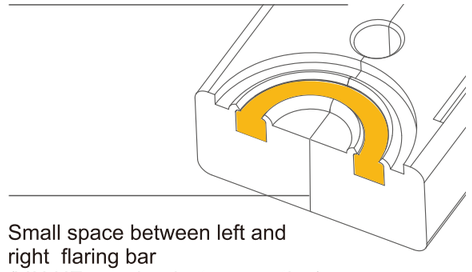
Large space between up and down flaring bar, and uneven surface



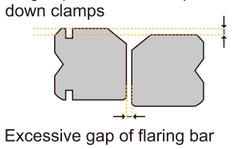
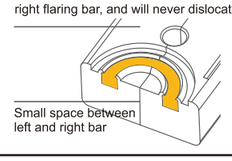
Excessive gap between left and right flaring bar (traditional)

VS

Annular rivet connection makes left and right flaring bar clamps, and will never dislocate



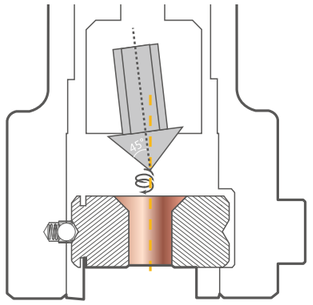
Small space between left and right flaring bar
(VALUE annular rivet connection)

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

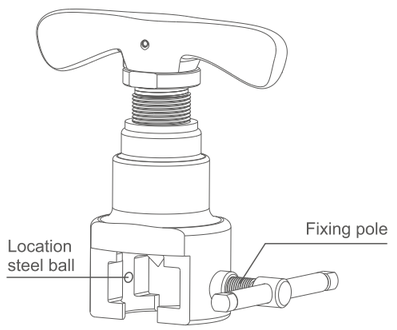
The Outstanding Advantage of VALUE's Flaring Tool

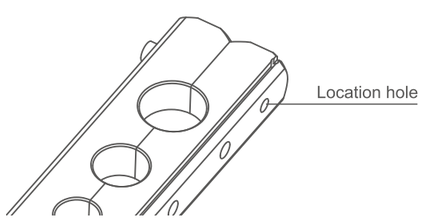
45° Eccentricity

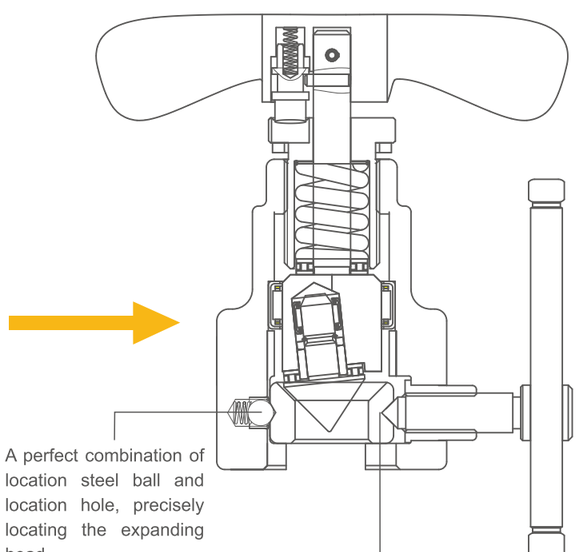
45° eccentricity, point contact reaming, standard dimensions, more convenient to use



Precise Placing



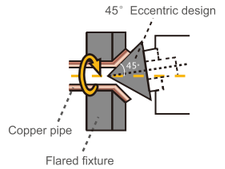


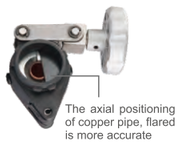


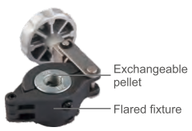
① A perfect combination of location steel ball and location hole, precisely locating the expanding head

② Fastening bolt and fastening expansion pipe clamp avoid clamp glide, and ensure pipe accuracy

Cordless Power Flaring Tools







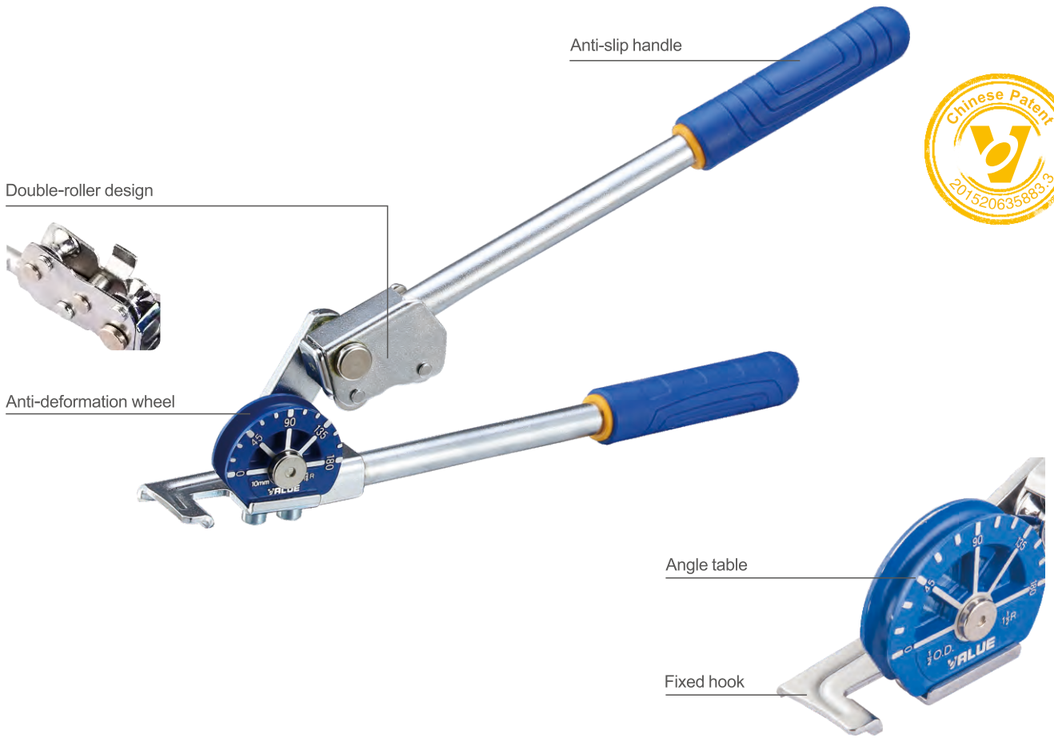
Quick Accurate Flaring

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-19-S
Power	DC motor
Applicable Pipe	Copper pipe
Tubing O.D.	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"
Flaring Shape	Flared
Accessory	VTC-28B, VTT-5



Easy to Bend

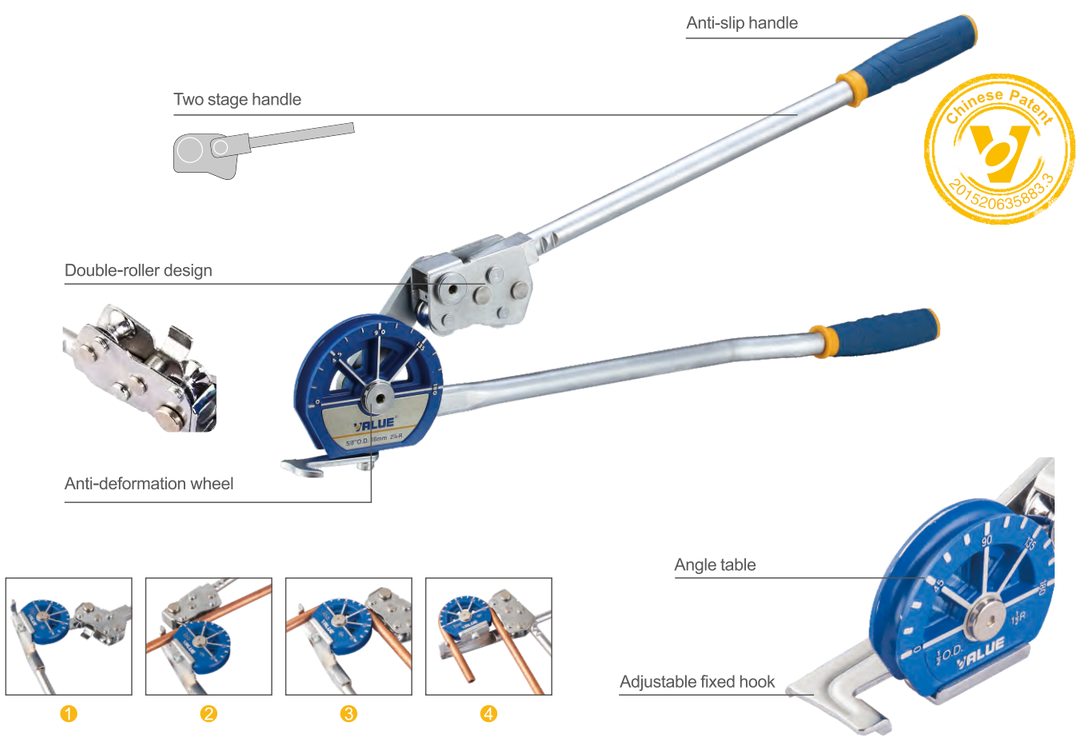
Double-roller
- Unique X-TURN steering structure
  It's easier to bend on 90°
- Double-roller, reducing the pipe's friction, easy to bend

Angle Table
- The angle of bending is clearly visible

Anti-slip Handle
- Easy to use

VBT-1/2 Bending Tool

Model	VBT-1	VBT-1A	VBT-2	VBT-2A
Bending Size	3/8"	10mm	1/2"	12mm
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			



Easy to Bend

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

Two Stage Handle
- Easy to bend, larger angle of bending

Angle Table
- The angle of bending is clearly visible

Anti-slip handle
- Easy to use

VBT-3/4/5 Bending Tool

Model	VBT-3	VBT-4	VBT-5
Bending Size	5/8", 16mm	3/4", 19mm	7/8", 22mm
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		

Hydraulic Tube Expander

Making Your Job More Enjoyable

Easy To Expand

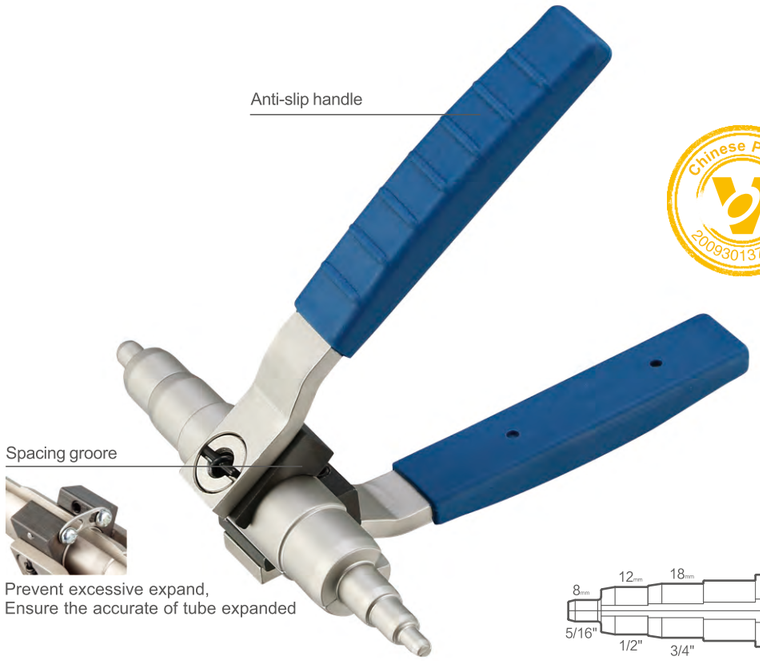
Hydraulic Expander

- One hand operation
- Suitable for larger diameter copper

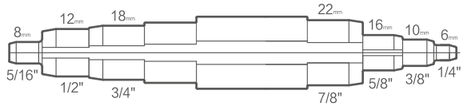
Compact

- 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"	/
VHE-29AM	10, 12, 15, 16, 18, 22, 28mm	/
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, 28mm	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, 42mm	VTT-5 VTC-42



Foldable, easy to carry



Easy to Expand

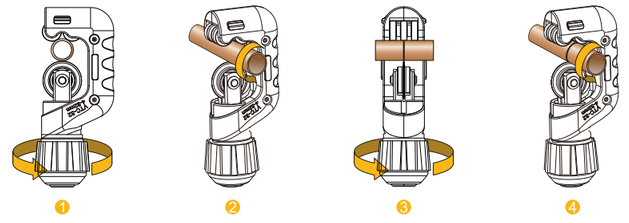
Easy to Use
- Simple structure for expanding copper tubing

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



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-28	VTC-28B	VTC-32	VTC-35	VTC-42	VTC-70
Tube O.D.	1/8"~3/4" 3~19mm	1/8"~1-1/8" 4~28mm	1/8"~1-1/8" 4~28mm	1/8"~1-1/4" 4~32mm	1/8"~1-3/8" 4~35mm	1/4"~1-5/8" 6~42mm	1/4"~2-5/8" 6~67mm

2 spare blades are included

Easy to Deburr

Compact Design
- Easy to carry

Spare Blade
- 2 spare blades are included

Replaceable Blades
- Easy to change blade

Φ1~3mm (less than 1/8”)

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

Φ3~10mm (1/8"–3/8")

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

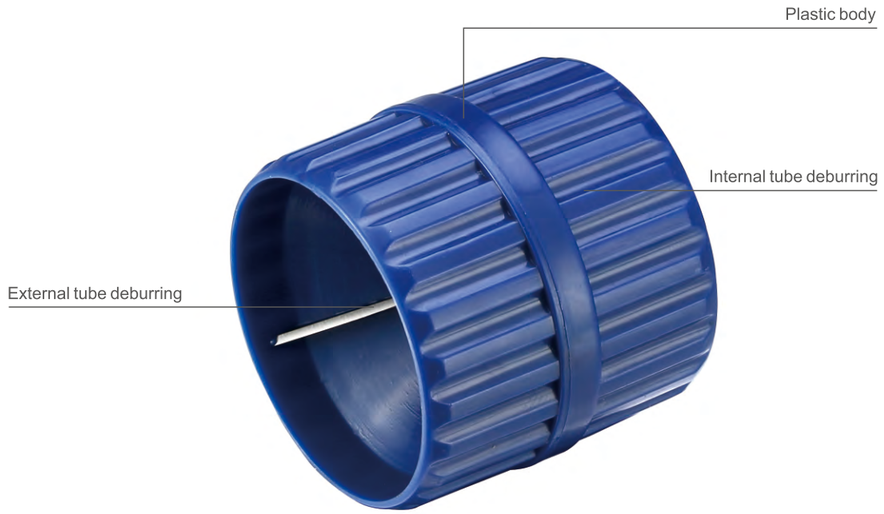
Easy to Rotary

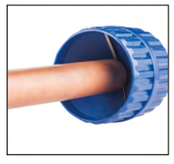
Ratchet

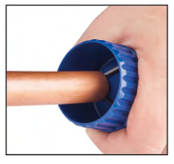
- Advanced ratchet, leave out the tedious transformation steps, easy to use, and easy to rotary

Anti-slip Handle

- Power holding, anti-slip, easy to rotary




External tube deburring

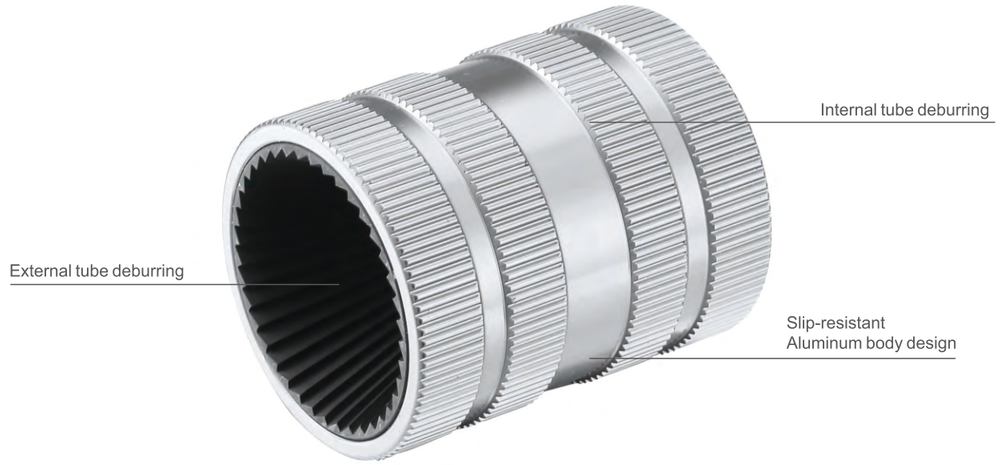

Internal tube deburring

Easy to Deburr

Multi-blade Alloy Steel Internal Surface
- Easy to deburring

Slip-resistant Aluminum Body Design
- Light weight

Model	VRT-301
Tube O.D.	4-40mm (1/8"-1-5/8")



External tube deburring

Internal tube deburring

Easy to Deburr

Multi-blade Alloy Steel Internal Surface
- Easy to deburring

Slip-resistant Aluminum Body Design
- Light weight

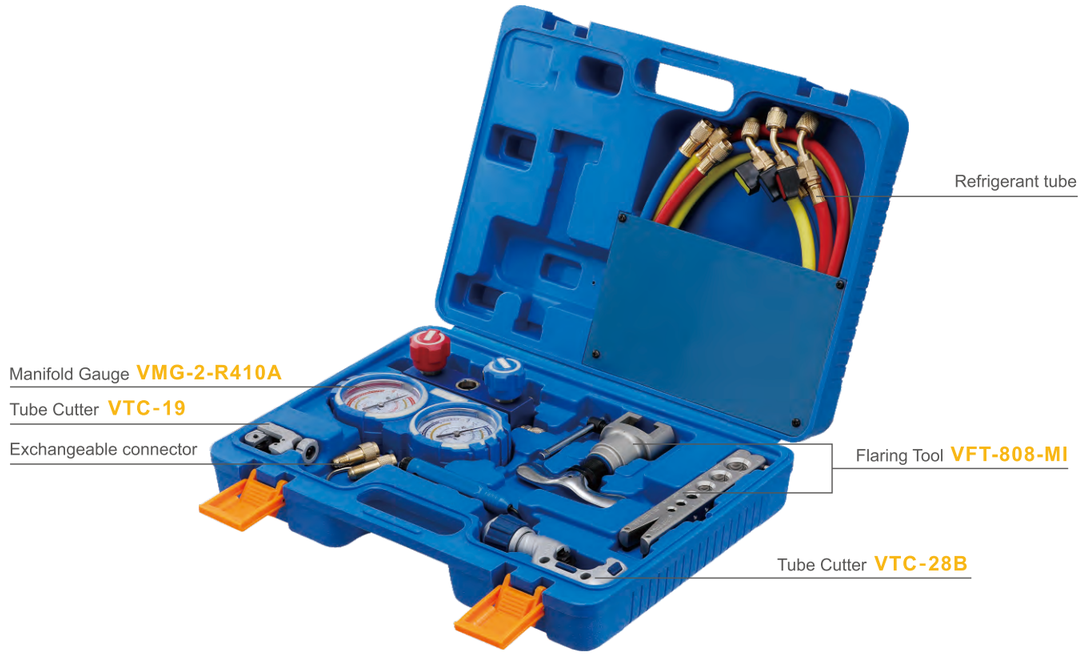
Model	VRT-302
Tube O.D.	4-40mm (1/8"-1-5/8")

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-28B	1pc
Tube Deburring	VTT-5	1pc
Manifold Gauge	VMG-2-R410A	1set
Tube Expanders	VST-22	1pc
Package	Aluminum alloy box	1pc



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-28B	1pc	VTC-28B	1pc	VTC-28B	1pc
	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	/	/	V01 V08	1set	V01 V08	1set
Adapter	/	/	/	/	CV01-CV12	1set
Package	Blow case	1pc	blow box	1pc	blow box	1pc

Easy to Carry

Easy to Carry
- All the tools are combined in a backpack, which is easier to carry

Protect Tools
- Avoid damage during transportation

Easy to Use
- It contains most of the tools for air conditioning maintenance, and it is easier to use with the tools

Complete With	Descrition	Quantity
Flaring Tool	VFT-808-MI	1set
Tube Cutter	VTC-32	1pc
Manifold Gauge	VMG-2-R410A-B	1set
Digital Clamp Multimeters	VCM-202	1pc
Tube Expanders	VST-22	1pc
Tube Deburring	VTT-5	1set
Ratchet Spanner	VRT-201	1pc
Ratchet Spanner	VRT-202	1pc

Tool Kit

Making Your Job More Enjoyable

Easy to Carry

Easy to Carry
- All the tools are combined in a backpack, which is easier to carry

Protect Tools
- Avoid damage during transportation

Easy to Use
- It contains most of the tools for air conditioning maintenance, and it is easier to use with the tools

Complete With	Descrition	Quantity
Flaring Tool	VFT-808-MI	1set
Tube Cutter	VTC-32	1pc
Manifold Gauge	VMG-2-R410A-B	1set
Tube Expanders	VST-22	1pc
Tube Deburring	VTT-5	1set

VALUE VDM-132C digital multimeter is widely applied. With overload protection in 30 ranges, it is safer. The LCD makes reading clearer.

Precise measurement, easy work!

Precise Measurement

Wide Range of Measurement
- Multiple functions, It is suitable for measuring on a variety of occasions

LCD Backlit Display
- Clearly display, easy to read

Compact Design
- Easy to carry, and more convenient

Model	VDM-132C	VDM-151
Working Temperature	0℃~40℃（32℉~104°F）	0℃~40℃（32℉~104°F）
DC Voltage Range	200mV/ 2V/ 20V/ 200V/1000V	200mV/ 2V/ 20V/ 200V/500V
AC Voltage Range	2V/ 20V/ 200V/ 750V	200V/500V
DC Current Range	2mA/ 20mA/ 200mA/ 20A	2mA/ 20mA/ 200mA/ 20A
AC Current Range	20mA/ 200mA/ 20A	无
Resistance Range	200Ω/ 2KΩ/ 20KΩ/200KΩ/ 2MΩ/ 20MΩ	200Ω/ 2KΩ/ 20KΩ/200KΩ/ 2MΩ/ 20MΩ
Capacitance Range	/	20nF/ 200nF/ 2μF/100μF
Temperature Range	-40 °C ~1000°C	-40 °C ~1000°C（-40°F~1832°F）

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

Precise Measurement

High precision chip
- Precise measurement

LCD backlit display
- Large screen data display, better readability

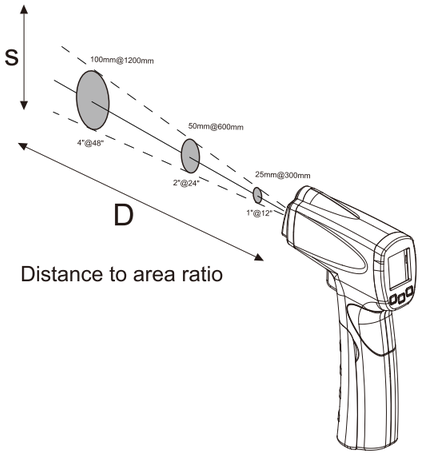
28mm jaw
- Suitable for more demanding circuit maintenance

Compact design
- Easy to carry

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

Infrared Thermometer

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



Precise measurement

Precision Infrared Sensor
- Accurate measurement, respond faster

Large-aperture Silicon Mirror
- Measureds long distance
- Wide measuring range

One-key Temperature Measurement
- Easy to use, convenient

LCD Backlit Display
- Clear display, easy to read

Model	VIT-300S	VIT-300
Emissivty	0.10~1.00 adjustable	0.95
Temperature Range	-32℃~400℃ (−25.6°F~752°F)	−18°C ~280°C (0°F~536°F)
Max Measuring Accuracy	±2℃ or ±2%	±2℃ or ±2%
Response Time	500mS	500mS
Debug Mode	Single-process debugging	Multi-process debugging

Vacuum Gauge

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

Precise measurement

Ergonomic Design
- Easy to carry

Precision Vacuum Sensor
- Pirani sensor

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

Buzzing Alert
- Vacuum level reminder
- Vacuum leakage warning

Model	VMV-1
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℃)
Operating temperature	0~50℃
Unit	Pa、mBar、mmHg、Microns
sensor	Pirani sensor
Dimensions	147x59x33 mm
Weight	Only 125g

Sound Level Meter

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

Precise measurement

Ergonomic Design
- Easy to carry

Micro Capacitor-type Microphone Sensing Technology And Bandwidth Weighting Network Design
- Fast response
- Accurate and Efficient

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

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

VALUE Creates Value
Making Your Job More Enjoyable

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.

Precise measurement

Ergonomic Design
- Easy to carry

High Sensitivity Wind Rotor
- 6 vanes high sensitivity wind rotor
- Low friction bearing technology

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

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