

TASCO

HVAC/R TOOL CATALOG



ICHINEN **TASCO** CO.,LTD.



TASCO From JAPAN

Head Office: OSAKA
Branch: TOKYO, NAGOYA, KYUSHU

TASCO
THAILAND



ICHINEN TASCO CO. LTD. HEAD OFFICE



ICHINEN TASCO LOGISTICS CENTER



TASCO's air conditioning tools are carefully selected and inspected to ensure Japan quality.

Osaka Logistics Center boasts an inventory of 5,000 items and can accept 40-foot container trucks!

TASCO has been a leading provider of high quality, high efficient air conditioning tools in Japan for over 40 years, with the largest market share in the Japanese market.

TASCO has been developing air conditioning tools for HFC refrigerants, which are currently the mainstream in Japan, since 1998.

Since then, we have been committed to the development of HFC refrigerant tools, such as hose gaskets and other parts and components, from the viewpoint of leak prevention.

We have continued to adapt quickly to changes in refrigerants and other factors to support customers.

We started overseas expansion in 2014 in order to spread our originally designed products. We will keep developing and promoting tools that are safe, comfortable, and efficient for all workers involved in air-conditioning and refrigeration industry.

TASCO supplies a wide range of products other than those listed in this catalog. Please feel free to contact us.

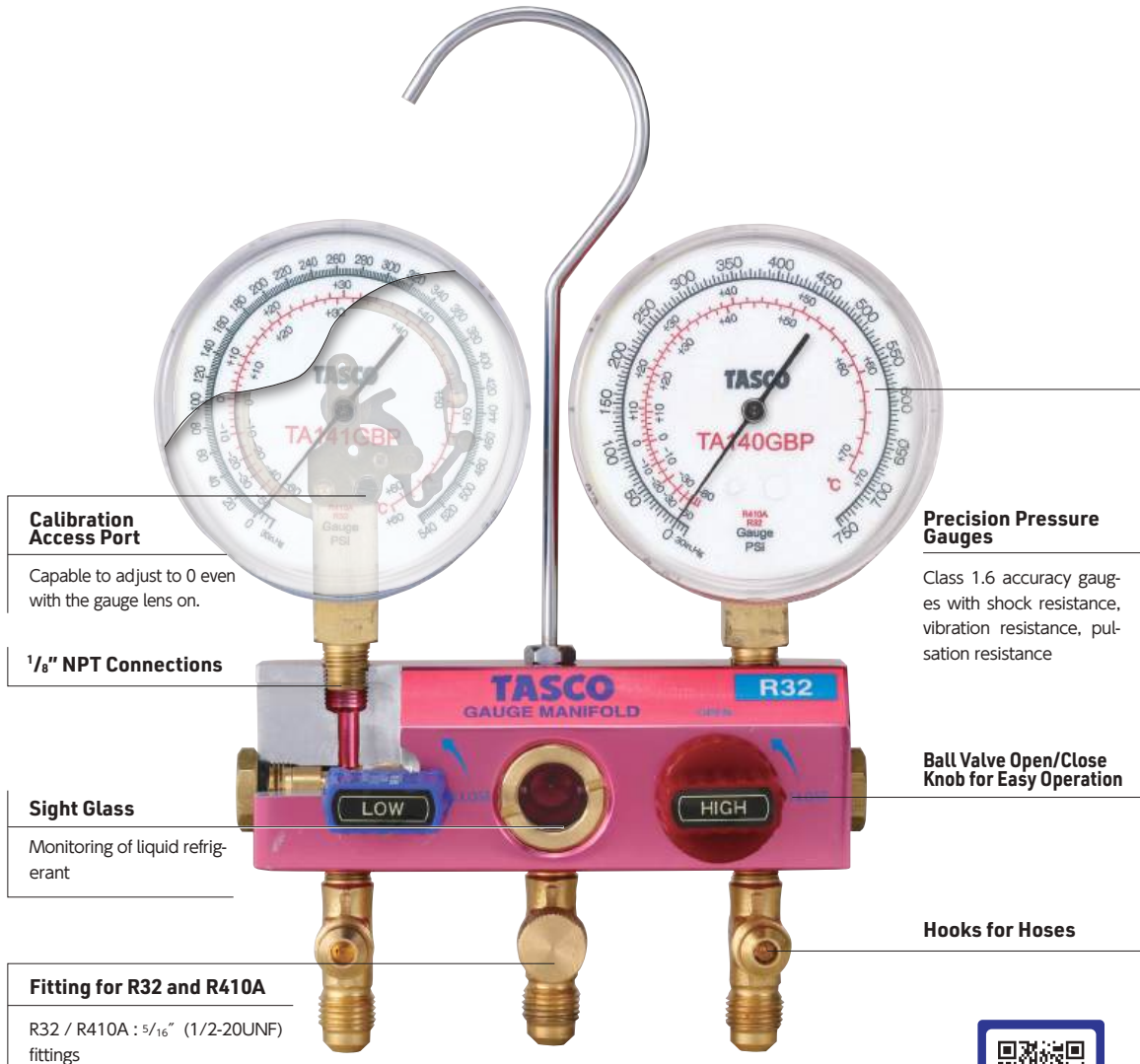


HVAC/R TOOL CATALOG

TASCO

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Calibration Access Port
 Capable to adjust to 0 even with the gauge lens on.

1/8" NPT Connections

Sight Glass
 Monitoring of liquid refrigerant

Fitting for R32 and R410A
 R32 / R410A : 5/16" (1/2-20UNF) fittings

Precision Pressure Gauges
 Class 1.6 accuracy gauges with shock resistance, vibration resistance, pulsation resistance

Ball Valve Open/Close Knob for Easy Operation

Hooks for Hoses



Assembled in-house under thorough process control

TASCO's experienced staffs carefully assemble each and every one of our high quality pressure gauges and main bodies, which have passed testing and are designed for ease of use.





























Final check before shipping - Japanese commitment

Assembly is not the end of the process. Operation, pressure, and appearance inspection are performed one by one, and only those that pass those tests are shipped as TASCO products.

TASCO's manifolds are all about quality.





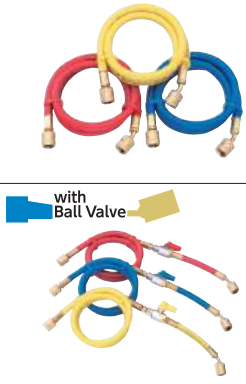





Valve Manifold

Part No.	Manifold	Port Size	Type	Pressure Range	Gauge No.
TA122GB-EXP 			R410A R32	HI -30in.HG~750psi -100 ~ 5200kPa LO -30in.HG~540psi -100 ~ 3800kPa	TA140GBPK TA141GBPK
TA122G-EXP 			R410A R32	HI -30in.HG~750psi -100 ~ 5200kPa LO -30in.HG~540psi -100 ~ 3800kPa	TA140GPK TA141GPK
TA122ME-EXP 			R410A R32	HI -30in.HG~750psi -100 ~ 5200kPa LO -30in.HG~540psi -100 ~ 3800kPa	TA140MEPK TA141MEPK
TA124W-EXP 			R404A R407C R507A R134a	HI -30in.HG~540psi -100 ~ 3700kPa LO -30in.HG~260psi -100 ~ 1800kPa	TA140CPK TA141CPK
TA120W-EXP 			R12 R22 R502	HI -30in.HG~540psi -100 ~ 3700kPa LO -30in.HG~260psi -100 ~ 1800kPa	TA140BPK TA141BPK
TA123DZ-EXP 			R410A R32	Digital -14~725psi -0.1~5.0MPa	TA141DZP
TA127N-EXP 			R600a R290	HI -30in.HG~220psi LO -30in.HG~150psi	TA140HCP-80 TA141HCP-80
TA127HC-EXP 	 	 	R600a R290	HI -30in.HG~220psi LO -30in.HG~150psi	TA140HCP-80 TA141HCP-80



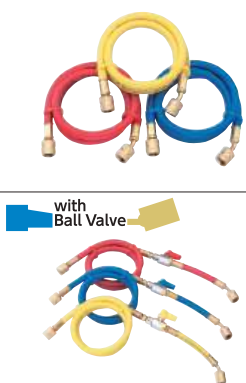





MANIFOLDS

Ball Valve Manifold Kits



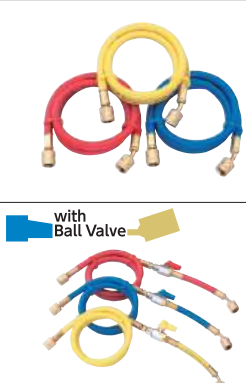





R410A R32

Part No.	Size	Manifolds	Charging Hoses	Carry Case	
TA122GB-1-EXP		 <p>TA122GB-EXP</p>	 <p>with Ball Valve</p>	 <p>TA122CS-2</p>	
TA122GB-2-EXP					 92cm (Red/Blue/Yellow) (TA132AF)
TA122GBV-1-EXP					 150cm (Red/Blue/Yellow) (TA133AF)
TA122GBV-2-EXP					 92cm (Red/Blue/Yellow) (TA132AA)
TA122GBV-2-EXP	 150cm (Red/Blue/Yellow) (TA133AB)				



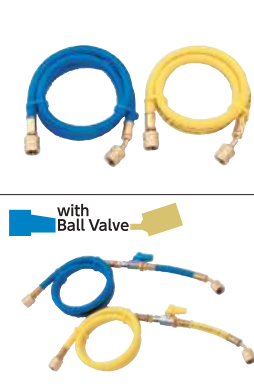





R410A R32

Part No.	Size	Manifolds	Charging Hoses	Carry Case	
TA122G-1-EXP		 <p>TA122G-EXP</p>	 <p>with Ball Valve</p>	 <p>TA122CS-2</p>	
TA122G-2-EXP					 92cm (Red/Blue/Yellow) (TA132AF)
TA122GV-1-EXP					 150cm (Red/Blue/Yellow) (TA133AF)
TA122GV-2-EXP					 92cm (Red/Blue/Yellow) (TA132AA)
TA122GV-2-EXP	 150cm (Red/Blue/Yellow) (TA133AB)				

R410A R32



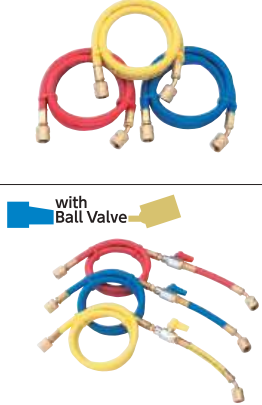





Part No.	Size	Manifolds	Charging Hoses	Carry Case	
TA122ME-1-EXP		 <p>TA122ME-EXP</p>	 <p>with Ball Valve</p>	 <p>TA122CS-2</p>	
TA122ME-2-EXP					 92cm (Red/Blue/Yellow) (TA132AF)
TA122MEV-1-EXP					 150cm (Red/Blue/Yellow) (TA133AF)
TA122MEV-2-EXP					 92cm (Red/Blue/Yellow) (TA132AA)
TA122MEV-2-EXP	 150cm (Red/Blue/Yellow) (TA133AB)				

R410A R32







Part No.	Size	Manifolds	Charging Hoses	Carry Case	
TA123DZ-1-EXP		 <p>TA123DZ-EXP</p>	 <p>with Ball Valve</p>	 <p>TA122CS-2</p>	
TA123DZ-2-EXP					 92cm (Blue) (TA132AF-2) 92cm (Yellow) (TA132AF-3)
TA123DZV-1-EXP					 150cm (Blue) (TA133AF-2) 150cm (Yellow) (TA133AF-3)
TA123DZV-2-EXP					 92cm (Blue) (TA132AA-2) 92cm (Yellow) (TA132AA-3)
TA123DZV-2-EXP	 150cm (Blue) (TA133AB-2) 150cm (Yellow) (TA133AB-3)				

Valve Manifold Kits







R404A R407C R507A R134a

Part No.	Size	Manifolds	Charging Hoses	Carry Case
TA124W-1-EXP		 <p>TA124W-EXP</p>	 <p>with Ball Valve</p>	 92cm (Red/Blue/Yellow) (TA134FN)
TA124W-2-EXP				 150cm (Red/Blue/Yellow) (TA135FN)
TA124KV-1-EXP				 92cm (Red/Blue/Yellow) (TA134AA)
TA124KV-2-EXP				 150cm (Red/Blue/Yellow) (TA135AB)
				 <p>TA122CS-2</p>






R22 R12 R502

Part No.	Size	Manifolds	Charging Hoses	Carry Case
TA120W-1-EXP		 <p>TA120W-EXP</p>		 92cm (Red/Blue/Yellow) (TA136A)
TA120W-2-EXP				 150cm (Red/Blue/Yellow) (TA136B)
				 <p>TA122CS-2</p>

R600a R290

Part No.	Size	Manifolds	Charging Hoses	Carry Case
TA127-1-EXP		 <p>TA127N-EXP</p>		 92cm (Red/Blue/Yellow) (TA136A)
TA127-2-EXP				 150cm (Red/Blue/Yellow) (TA136B)
				 <p>TA122CS-2</p>

R600a R290

Part No.	Size	Manifolds	Charging Hoses	Carry Case
TA127HC-1-EXP		 <p>TA127HC-EXP</p>		 92cm (Red/Blue/Yellow) (TA136A+ TA132TB-1M)
TA127HC-2-EXP				 150cm (Red/Blue/Yellow) (TA136B+ TA132TB-1.5M)
				 <p>TA122CS-2</p>

R410A R32



HI -30in.HG~750psi
-100 ~ 5200kPa

LO -30in.HG~540psi
-100 ~ 3800kPa



Part No.
TA140GBPK



Part No.
TA141GBPK

R410A R32



HI -30in.HG~750psi
-100 ~ 5200kPa

LO -30in.HG~540psi
-100 ~ 3800kPa



Part No.
TA140GPK



Part No.
TA141GPK

R410A R32



HI -30in.HG~750psi
-100 ~ 5200kPa

LO -30in.HG~540psi
-100 ~ 3800kPa



Part No.
TA140MEPK



Part No.
TA141MEPK

R404A R407C R507A R134a



HI -30in.HG~540psi
-100 ~ 3700kPa

LO -30in.HG~260psi
-100 ~ 1800kPa



Part No.
TA140CPK



Part No.
TA141CPK

R12 R22 R502



HI -30in.HG~510psi
-100 ~ 3400kPa

LO -30in.HG~220psi
-100 ~ 1500kPa



Part No.
TA140BPK



Part No.
TA141BPK

R600a R290



HI -30in.HG~220psi

LO -30in.HG~150psi



Part No.
TA140HCP-80



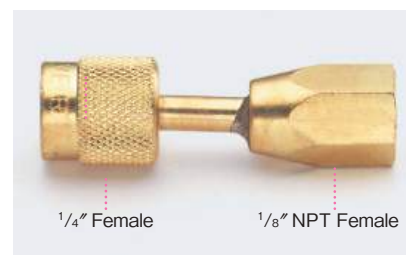
Part No.
TA141HCP-80



Digital Precision Gauge

Part No.	Pressure Display Range
TA141DZP	-14~725psi -0.1~5.0MPa
TA141DZK	-101~5000kPa -14~725psi -0.01~50.00bar

- Saturation display : R410A, R32, R134a, R404A, R407C, R1234yf, R22, R502
- Auto power off : 10 minutes
- Battery : 1 × CR123A
- Backlight



Gauge Adapter

Part No.
TA221

■ 1/4" Female × 1/8" NPT Female

Charging Hoses

R410A R32



5/16"

5/16" Charging Hose

Part No.	Length	Color	3 Color Set No.
TA132AF-1	92cm	Red	TA132AF
TA132AF-2		Blue	
TA132AF-3		Yellow	
TA133AF-1	150cm	Red	TA133AF
TA133AF-2		Blue	
TA133AF-3		Yellow	

■ 27.5MPa (4000psi) Burst pressure
 ■ 5.5MPa (800psi) Working pressure
 Replacement gasket: TA133AFP

R404A R407C R507A R134a



1/4"

1/4" Charging Hose

Part No.	Length	Color	3 Color Set No.
TA134FN-1	92cm	Red	TA134FN
TA134FN-2		Blue	
TA134FN-3		Yellow	
TA135FN-1	150cm	Red	TA135FN
TA135FN-2		Blue	
TA135FN-3		Yellow	

■ 27.5MPa (4000psi) Burst pressure
 ■ 5.5MPa (800psi) Working pressure
 Replacement gasket: TA133FP

R410A R32



5/16"

5/16" Charging Hose with Ball Valve

Part No.	Length	Color	3 Color Set No.
TA132AA-1	92cm w/BV	Red	TA132AA
TA132AA-2		Blue	
TA132AA-3		Yellow	
TA133AB-1	150cm w/BV	Red	TA133AB
TA133AB-2		Blue	
TA133AB-3		Yellow	

■ 27.5MPa (4000psi) Burst pressure
 ■ 5.5MPa (800psi) Working pressure
 Replacement gasket: TA133AFP

R404A R407C R507A R134a



1/4"

1/4" Charging Hose with Ball Valve

Part No.	Length	Color	3 Color Set No.
TA134AA-1	92cm w/BV	Red	TA134AA
TA134AA-2		Blue	
TA134AA-3		Yellow	
TA135AB-1	150cm w/BV	Red	TA135AB
TA135AB-2		Blue	
TA135AB-3		Yellow	

■ 27.5MPa (4000psi) Burst pressure
 ■ 5.5MPa (800psi) Working pressure
 Replacement gasket: TA133FP

R410A R32



5/16"

5/16" Long Charging Hose

Part No.	Length
TA136F	5m
TA136F-2	10m

■ 27.5MPa (4000psi) Burst pressure
 ■ 5.5MPa (800psi) Working pressure
 Replacement gasket: TA133AFP

R404A R407C R507A R134a



1/4"

1/4" Long Charging Hose

Part No.	Length
TA136TA	5m
TA136TA-2	10m

■ 27.5MPa (4000psi) Burst pressure
 ■ 5.5MPa (800psi) Working pressure
 Replacement gasket: TA133FP

Charging Hoses



1/4" Charging Hose (Single Hose)

Part No.	Length	Color	3 Color Set No.
TA136A-1	92cm	Red	TA136A
TA136A-2		Blue	
TA136A-3		Yellow	
TA136B-1	150cm	Red	TA136B
TA136B-2		Blue	
TA136B-3		Yellow	
TA136C-1	240cm	Red	—
TA136C-2		Blue	
TA136C-3		Yellow	

- 27.5MPa (4000psi) Burst pressure
- 5.5MPa (800psi) Working pressure
- Replacement gasket: TA136P



1/4" Long Charging Hose (Green)

Part No.	Length
TA136DA	5m
TA136EA	10m

- 27.5MPa (4000psi) Burst pressure
- 5.5MPa (800psi) Working pressure
- Replacement gasket: TA136P



TA132TB-30M

TA132TB-30M: 30M Hose, Hose Reel, Valve, 1.5M Hose

Large Diameter Hose

Length	PORT SIZE		
	1/4" X 1/4"	3/8" X 3/8"	5/16" X 5/16"
1m	TA132TA-1M	TA132TB-1M	TA132TC-1M
1.5m	TA132TA-1.5M	TA132TB-1.5M	TA132TC-1.5M
3m	TA132TA-3M	TA132TB-3M	TA132TC-3M
5m	TA132TA-5M	TA132TB-5M	TA132TC-5M
10m	TA132TA-10M	TA132TB-10M	TA132TC-10M
30m	—	TA132TB-30M	—

- 24.0MPa (3480psi) Burst pressure
- 4.5MPa (650psi) Working pressure / 4.2MPa (609psi) Working pressure
- ※ TA132TB-30M only
- Replacement gasket: TA166HA-1P (for TA132TA-), TA136P-1 (for TA132TB-), TA166H-1P (for TA132TC-)



Hose End (Female) Cap

Part No.	Size	Quantity
TA636HA	1/4" and 5/16"	6

Protects connection ports from scratches and contaminations.

Flare (Male) Cap

Part No.	Size	Quantity
TA636BD-2	1/4"	10
TA636BD-3	3/8"	10
TA636BD-4	1/2"	10
TA636BD-5	5/8"	5

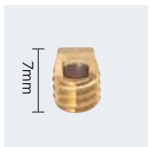


Hose Gaskets / Core Depressors

Hose Seal Gasket

Part No.	Quantity
TA133AFP	6

- Made of HNBR
- For 5/16" hoses



TA133AFP

Hose Seal Gasket

Part No.	Quantity
TA136P	6

- Made of polychloroprene
- For 1/4" hoses

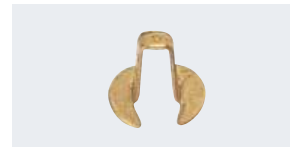


TA136P

Hose Seal Gasket

Part No.	Quantity
TA133FP	6

- Made of HNBR
- For 1/4" hoses



3/8" Hose Seal Gasket

Part No.	Quantity
TA136P-1	3

- Made of polychloroprene
- For TA132TB- Series

Core Depressor

Part No.	Quantity
TA133AFQ	6
TA133AFR	6

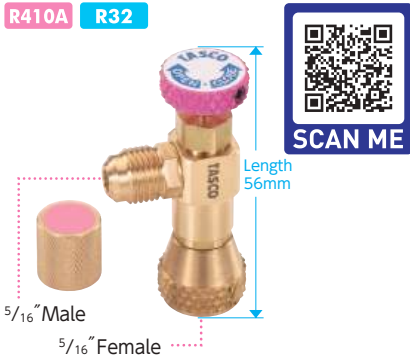
- For 5/16" hoses

1/4" Core Depressor

Part No.	Quantity
TA133Q	6

Prevents refrigerant leakage when disconnecting the charging valve from the port on the unit.

R410A R32



Charging Valve

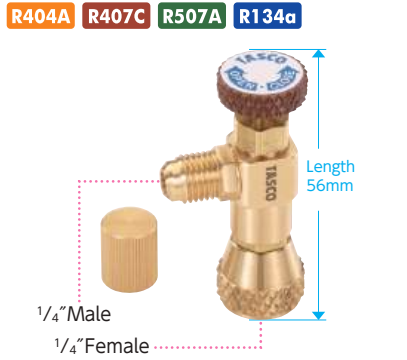
Part No.	Fittings
TA166ZA	5/16" (1/2-20UNF) fittings

- Length : 56mm
- Suitable for use in narrow places
- Includes replacement gasket 2pcs

Gasket for TA166ZA

Part No.	Quantity
TA166H-1P	2

R404A R407C R507A R134a



Charging Valve

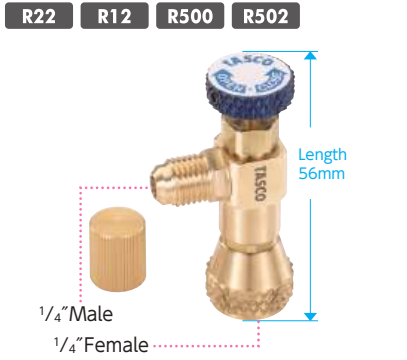
Part No.	Fittings
TA166YA	1/4" (7/16-20UNF) fittings

- Length : 56mm
- Suitable for use in narrow places
- Includes replacement gasket 2pcs

Gasket for TA166YA

Part No.	Quantity
TA166HC-1P	2

R22 R12 R500 R502



Charging Valve

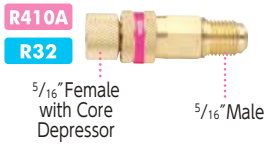
Part No.	Fittings
TA166XA	1/4" (7/16-20UNF) fittings

- Length : 56mm
- Suitable for use in narrow places
- Includes replacement gasket 2pcs

Gasket for TA166XA

Part No.	Quantity
TA166HA-1P	2

R410A R32

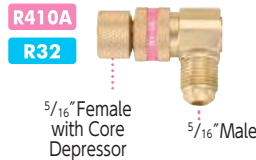


Hose Shut-Off Connector

Part No.
TA220JA-3

- 5/16" (1/2-20UNF) fittings
- One-touch connection by one side to the port
- Length : 57mm

R410A R32



Elbow Hose Shut-Off Connector

Part No.
TA220JB-3

- 5/16" (1/2-20UNF) fittings
- One-touch connection by one side to the port
- Length : 41mm

R410A R32



Safe Charger (Safety Faster™)

Part No.
TA101S

- Provides safe charge for specially blended refrigerants.
- 5/16" (1/2-20UNF) fittings

R404A R407C R507A R134a



Safe Charger (Safety Faster™)

Part No.
TA101SF

- Provides safe charge for specially blended refrigerants.
- 1/4" (7/16-20UNF) fittings

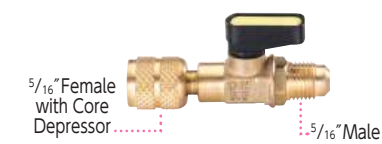
R22 R12 R500 R502



Safe Charger (Safety Faster™)

Part No.
TA101S-2

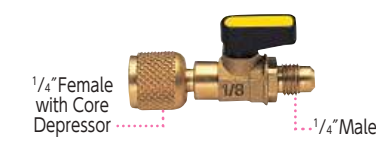
- Recommended to connect to the port of refrigerant cylinder.
- 1/4" (7/16-20UNF) fittings



Ball Valve

Part No.
TA220C

- Connect to charging hoses to eliminate refrigerant loss.
- 5/16" (1/2-20UNF) fittings



Ball Valve

Part No.
TA220D

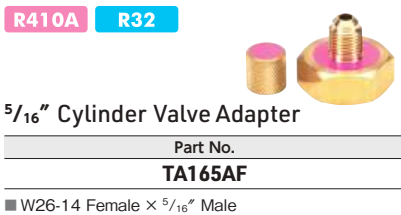
- Connect to charging hoses to eliminate refrigerant loss.
- 1/4" (7/16-20UNF) fittings



Gauge Adapter

Part No.	Female	Male
TA221A	1/8" NPT	1/4" Flare

R410A R32



5/16" Cylinder Valve Adapter

Part No.
TA165AF

- W26-14 Female × 5/16" Male

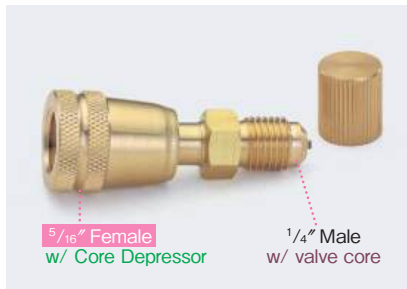
R22 R12



1/4" Cylinder Valve Adapter

Part No.
TA165

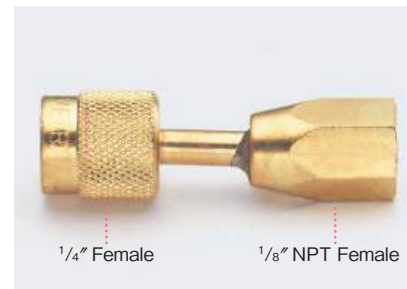
- W26-14 Female × 1/4" Male



Adapter

Part No.
TA223F

- 5/16" Female × 1/4" Male



Gauge Adapter

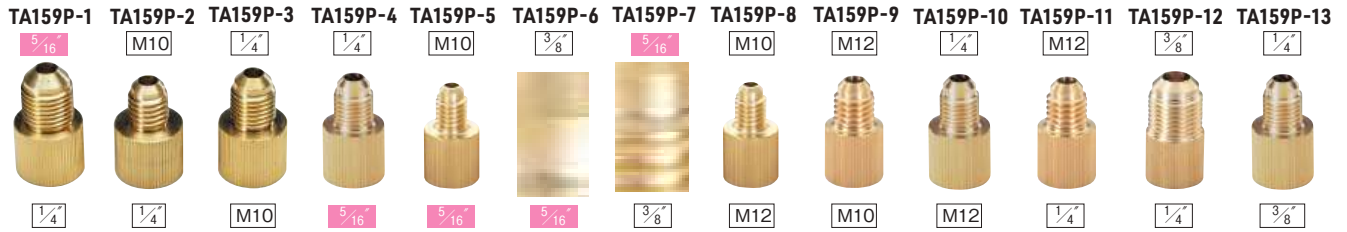
Part No.
TA221

- 1/4" Female × 1/8" NPT Female

Access Valves

Adapters

■ With O-ring ■ Quantity : 1



M10=M10P1.5 M12=M12P1.75

ACCESS VALVES



Tee Valve

Part No.
TA382KA

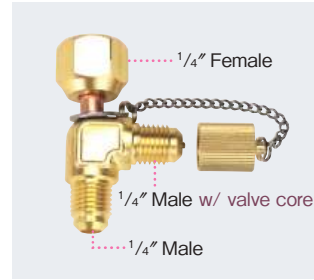
■ 1/4" Female w/ Core Depressor X 1/4" Male



Tee Valve

Part No.
TA382KA-2

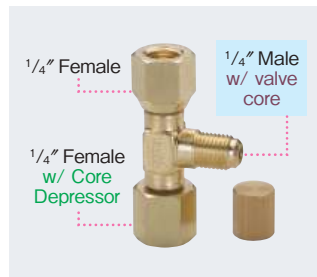
■ 5/16" Female w/ Core Depressor X 1/4" Male



Tee connector

Part No.
TA382KF

■ Including a seal cap w/ chain
■ Made by a skilled Japanese craftsman



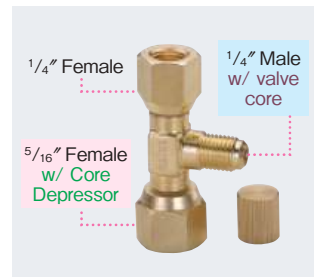
Tee connector

Part No.
TA382KL

■ Made by a skilled Japanese craftsman



Highly sealed female screw



R410A R32

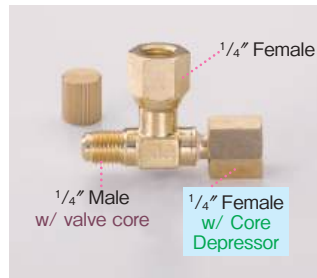
Tee connector

Part No.
TA382KP

■ Made by a skilled Japanese craftsman



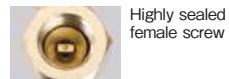
Highly sealed female screw



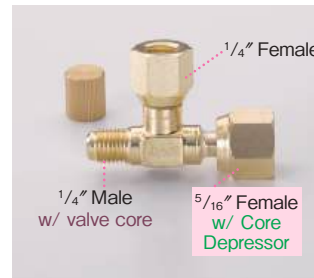
Tee connector

Part No.
TA382KH

■ Made by a skilled Japanese craftsman



Highly sealed female screw



R410A R32

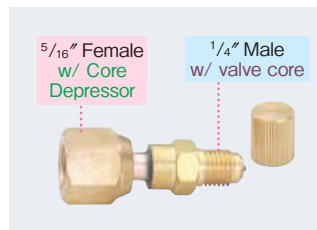
Tee connector

Part No.
TA382KJ

■ Made by a skilled Japanese craftsman



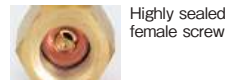
Highly sealed female screw



Adapter

Part No.
TA223L

■ Made by a skilled Japanese craftsman



Highly sealed female screw



Sight Glass

Part No.	Fittings
TA225A	1/4" Male X 1/4" Male
TA225B	3/8" Male X 3/8" Male
TA225C	1/2" Male X 1/2" Male

■ With flare nuts
■ Moisture indicator: Yellow (Wet) → Green (Dry)



5/16" Piercing Valve

Part No.	Tube O.D.
TA200A-2	1/4" + 5/16" + 3/8"

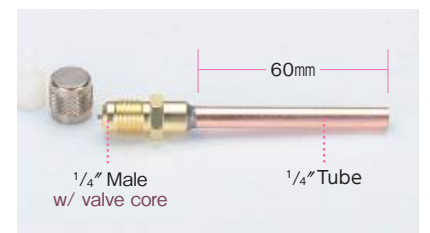
■ Provides an access port on low side copper tube at any point for charging, monitoring, or evacuation.



1/4" Piercing Valve

Part No.	Tube O.D.
TA200A	1/4" + 5/16" + 3/8"

■ Provides an access port on low side copper tube at any point for charging, monitoring, or evacuation.



Tube Extension Valve

Part No.	Quantity
TA230A	6

■ For CFC & HCFC

The customer can choose and buy a wide variety of tools as a set.

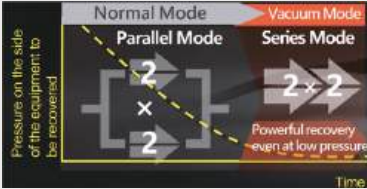


4-Cylinder for Powerful Recovery



Brushless DC Motor

Acceleration Knob Design Parallel/Series Operation



Large Micro-Channel Type Condenser



3 High-Speed Cooling Fans



Excellent Operability



Large Digital Display Backlit Function



Filter Dryer

Part No.	Fittings
TA282CA-3	3/8"

Removes dusts and moisture in refrigerant

4PISTON RECOVERY UNIT
QUATTRO



Recovery Rates

	Category III	Category IV	Category V
Vapor	600	800	850
Liquid	3600	4000	4200
Push-Pull	7500	8500	9500

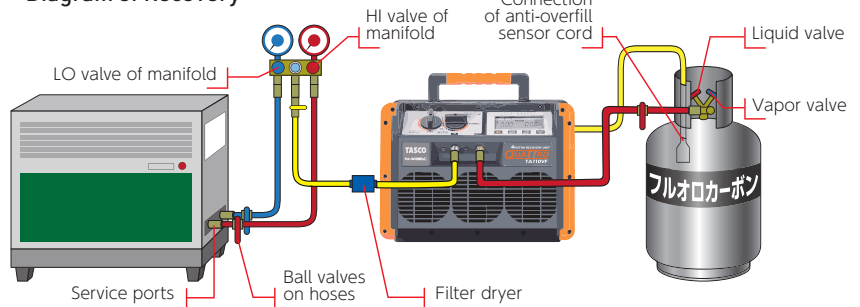
Category III : R12, R134a, R401C, R406A, R500
 Category IV : R22, R401A/B, R402B, R407C/D/E/F, R408A, R409A, R411A/B, R412A, R502, R509A
 Category V : R410A/B, R32, R404A, R402A, R407A/B, R507A



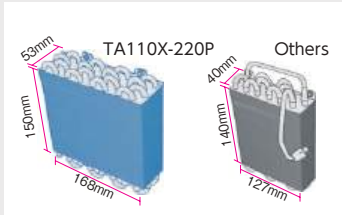
Refrigerant Recovery Machine

Part No.	TA110VF-EXP
Refrigerants:	R22, R32, R134a, R404A, R407C, R407H, R410A, R448A, R449A, R452A, R463A-J, R1234yf, R1234ze & etc.
Voltage (Hz)	220-240V (50/60Hz)
Compressor Type	1.5HP (1125W) oil-less four compressor
Incidental Function	Self-Cleaning (to remove refrigerant in unit to cylinder)
High Pressure Shut-Off	3.0MPa
Dimensions/Weight	310H × 430W × 270D mm / 19.5 kg
Operating Temperature	0°C~39°C
Accessories	1/4" Charging hose with ball valve (150cm) × 1, Filter dryer, 3/8" Charging hose (150cm/30cm) × each 1, Ball valve adapter (1/4" female × 3/8" male), Ball valve adapter (5/16" female × 3/8" male)

Diagram of Recovery



Superior Cooling System Big Condenser

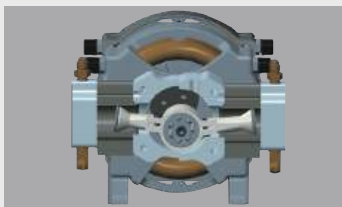


Longest condenser coil, 6000mm, in its class allow fast recovery in a high temperature environment.

Big 180 mm Diameter Fan

180 mm diameter big fan and 1.6 times RPM makes it possible to cool the recovered refrigerant to the maximum.

Twin compressors



Twin compressor and superior cooling system make TA110X-220P having the fastest overall JIS certified recovery rate in its class.



Recovery Rates

	Category III	Category IV	Category V
Vapor	400g / min.	500g / min.	500g / min.
Liquid	3000g / min.	3500g / min.	3500g / min.
Push-Pull	7500g / min.	8500g / min.	9500g / min.

Category III : R12, R134a, R401C, R406A, R500
 Category IV : R22, R401A/B, R402B, R407C/D/E/F, R408A, R409A, R411A/B, R412A, R502, R509A
 Category V : R410A/B, R32, R404A, R402A, R407A/B, R507A

Accessories



Refrigerant Recovery Machine

Part No.	TA110X-220 (MPa) (with OFP cable)
	TA110X-220P (psi) (with OFP cable)
	TA110X-220PN (psi) (without OFP cable)
Refrigerants:	R22, R32, R134a, R404A, R407C, R407H, R410A, R448A, R449A, R452A, R463A-J, R1234yf, R1234ze & etc.
Voltage (Hz)	220~240V (50Hz)
Compressor Type	1HP (750W) oil-less twin compressor
Incidental Function	Self-Cleaning (to remove refrigerant in unit to cylinder)
High Pressure Shut-Off	435psi/3.0MPa
Dimensions/Weight	360H x 430W x 260D mm / 16.0 kg
Operating Temperature	0°C~39°C
Accessories	1/4" Charging hose with ball valve (150cm) x 2, Filter dryer, 1/4" Charging hose (30cm), Adapter hose with ball valve (5/16" female x 1/4" male) (19cm)

Filter Dryer

Part No.	Fittings
TA282CA-2	1/4"

■ Removes dusts and moisture in refrigerant

Diagram of Operation Panel

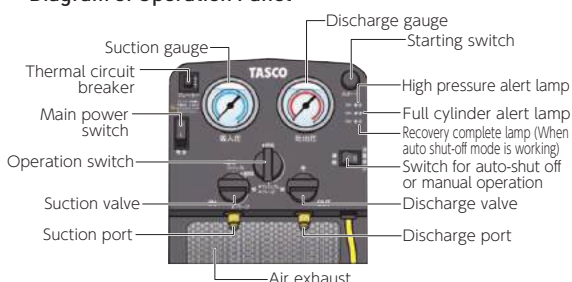
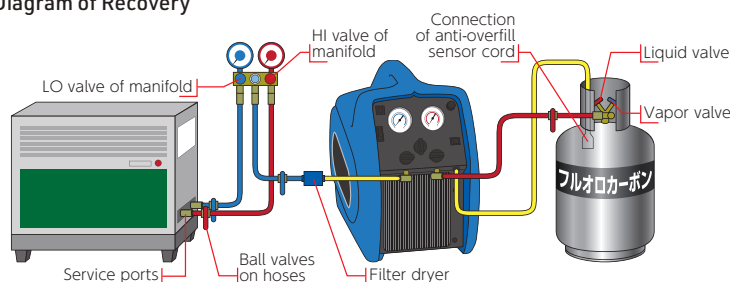


Diagram of Recovery



Recovery Cylinders

Recovery cylinder with nickel plating inside is suitable for reclamation of refrigerant. Anti-overfill sensor stops recovery unit from running when amount of refrigerant reaches 80% of cylinder capacity.

1/4



TA110-12N

TA110-24N

TA110-100N



TA110-10SN

TA110-20SN

TA110-100SN

Refrigerant Recovery Cylinder

Part No.	TA110-12N	TA110-24N	TA110-100N
Dimensions (mm)	481H×250φ	580H×311φ	1,385H×355φ
Weight	9.8kg	14.8kg	51.2kg
Capacity	12L (10kg)	24L (20kg)	116L (100kg)

Refrigerant Recovery Cylinder (Nickel plating inside)

Part No.	TA110-10SN	TA110-20SN	TA110-100SN
Dimensions (mm)	495H×256φ	576H×310φ	1,385H×355φ
Weight	9.5kg	15.7kg	51.2kg
Capacity	12L (10kg)	24L (20kg)	116L (100kg)

RECOVERY EQUIPMENTS



TA110-5

TA110-12

TA110-24

TA110-100



TA110-10S

TA110-20S

TA110-100S

Refrigerant Recovery Cylinder with Anti-overfill Sensor

Part No.	TA110-5	TA110-12	TA110-24	TA110-100
Dimensions (mm)	368H×220φ	481H×250φ	580H×311φ	1,385H×355φ
Weight	7.0kg	10.5kg	15kg	51.6kg
Capacity	4.8L (4kg)	12L (10kg)	24L (20kg)	116L (100kg)

Refrigerant Recovery Cylinder with Anti-overfill Sensor (Nickel plating inside)

Part No.	TA110-10S	TA110-20S	TA110-100S
Dimensions (mm)	495H×256φ	576H×310φ	1,385H×355φ
Weight	9.9kg	16.1kg	51.6kg
Capacity	12L (10kg)	24L (20kg)	116L (100kg)



Insulated Cylinder Bag

Part No.
TA110DB

- Applies for 10kg and 20kg cylinder
- Prevents cylinder temperature to rise for a long time.
- Enhancing cooling function by ice pack in the top net pocket.
- Dimensions / Weight: φ350mm × 630mm / 930g



Temperature Indicator (Sticker)

Part No.	Quantity
TA969SA-5	5

- When the temperature reaches approximately 50°C, "CAUTION" will be displayed.



SCAN ME



TA110-2C



TA110-2F

Oil Separator

Part No.	Type
TA110-2C	Tripod
TA110-2F	Hook

- Separates compressor oil and removes contaminants from refrigerants.
- Suppresses temperature rise and pressure rise of refrigerants in cylinder.
- Useful for reclamation of refrigerants
- Dimensions : TA110-2C H395 × L235 mm TA110-2F H300 × L120 mm
- Inlet/Outlet Connections : 1/4" male fittings
- Weight : 3.2kg ■ Internal Volume : 1400cc



SCAN ME

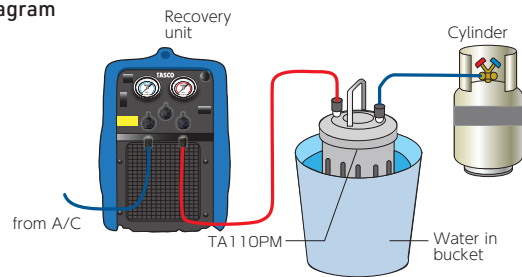


- Increases the speed and performance of any recovery unit
- Compact and easy to use
- 6.1m copper tube inside

Auxiliary Refrigerant Cooling Unit

Part No.	TA110PM
Dimensions	240mmH × φ107mm
Weight	1.59 kg
Inlet/Outlet Connections	1/4" male fittings

Diagram



Refrigerant Distributor

Part No.	TA110V-1
----------	-----------------

- 1/4" (7/16-20UNF) Male fitting
- 6 branches with ball valves
- Dimensions: 190 × 150 × 40 mm



Refrigerant Distributor

Part No.	TA110V-31
----------	------------------

- 3/8" Male fitting
- 4 branches with ball valves
- Dimensions: 145×250×40 mm



Needle which has a hole with large inner diameter secures a fast flow rate.

Piercing Plier

Part No.	Tube O.D.
TA173C	1/4" (6.35mm) ~ 3/8" (9.53mm)

- Length: 250 mm
- Seals and locks on to copper tube in one motion.

Replacement Needle for TA173C

Part No.	TA173C-1
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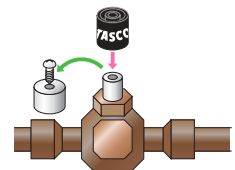
Replacement Gasket for TA173C

Part No.	TA173C-2
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Solenoid Magnet

Part No.	Applicable Diameter
TA129ZD	10, 12.5, 15, 18 mm

- Inner diameter: 18mm - fits all common manufactured valves
- Designed to manually open solenoid valves magnetically lifting the stem assembly and the plunger.
- Outer diameter: 42mm, Height: 30mm



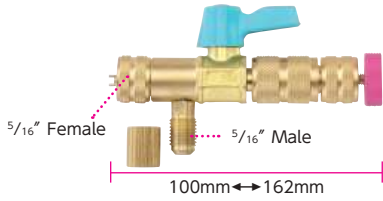
Just slide TA129ZD over the plunger to lift up and open.



Valve Core Remover

- Remove and replace valve core without losing refrigerant from system.
- Increases evacuation and charging speed by making a unrestricted passage.
- Allows recovery unit to work at maximum efficiency, speeding the recovery process.
- Allows refrigerant recovery even if the valve core is impossible to remove by using a side fitting.

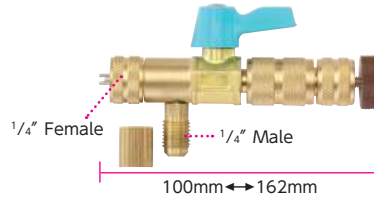
R410A **R32**



Valve Core Remover

Part No.
TA230GA
■ 5/16" (1/2-20UNF) fittings

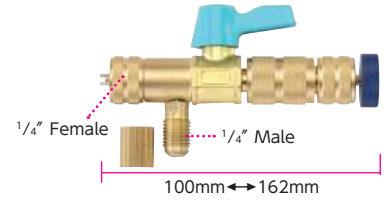
R404A **R407C**
R507A **R134a**



Valve Core Remover

Part No.
TA230GC
■ 1/4" (7/16-20UNF) fittings

R12 **R22**



Valve Core Remover

Part No.
TA230GB
■ 1/4" (7/16-20UNF) fittings

Refrigerant Analyzer

- Quickly determines the purity of refrigerants.
- Analyzes refrigerants R410A, R32, R404A, R407C, R134a, R22, Hydrocarbons, & Air.
- Enable to print the result of analysis.



Li-ion
Battery
7.4V



Refrigerant Analyzer

Part No. TA400LE	
Analyzable refrigerants	R22, R32, R134a, R404A, R407C, R410A, HC, Air
Identifiable refrigerants	R12, R1234yf, R408A, R409A, R417A, R421B, R422A, R422B, R422C, R427A and etc.
Sensor	Non-Dispersive Infrared Sensor (NDIR)
Dimensions / Weight	260(L)×185(W)×80(H)mm / 1.5kg
Power	100~240V (50/60Hz)

Replacement

Printing Paper

Part No. TA400LD-21

Oil Filter

Part No. TA400LD-10



Refrigeration Cycle Cleaning Units

- Pulsates and pressurizes detergent to remove the oil and contaminants inside the tubes.
- Enable to clean tubes with height difference by enough discharge pressure.
- Strainer and filter removes clogs and contaminants.
- With a port for Nitrogen : The detergent in the tube can be discharged under the pressure of Nitrogen.



Max. Discharge Amount

3.2 ℓ/min(50Hz)

For

Mini splits (RAC)
Packaged A/C
Automobile A/C
Refrigerator

Refrigeration Cycle Cleaning Unit (3.2L)

Part No.	TA353-400W
Voltage / Motor	220~240V 50Hz / 200W
Max. Discharge Pressure	1.5MPa (217psi) 50Hz
Max. Discharge Amount	3.2L/min(50Hz)
Tank volume	12L
Pressure gauge (Discharge)	0-3.5 MPa (507 psi) / MPa display only
Pressure gauge (Suction)	0-1.0 MPa (145 psi) / MPa display only
Ports	Discharge port, Return port, N2 port (All 1/4" fittings)
Contents	Cleaning unit, 1/4" Charging hose × 3, Conversion table between psi and MPa
Dimensions / Weight	305W × 443D × 540H mm / 43kg
Operation Temperature	0~40°C
Detergents	R225, Solvia (TA903TS-1, 5)

Please purchase R225 by yourself in your country.

Please dispose used detergent in accordance with local laws.

Detergents for Refrigeration Cycle Cleaning (SOLVIA)

Part No.	Boiling Point	Specific Gravity of Liquid
TA903TS-1	40°C	1.23
TA903TS-5	45°C	1.07

- Amount: 18kg
- Detergents for refrigeration cycle cleaning
- Non-flammable, high detergency and high dryness
- Please dispose used detergent in accordance with local laws.

Table for Tube Length and Amount of Detergent (Rough standard)

Tube	1m	10m	20m	30m	40m	50m	60m	70m	100m
φ 6.35	0.018 L/m 0.03kg/m(0.02kg/m)	0.2 L 0.3kg(0.2kg)	0.4 L 0.62kg(0.5kg)	0.6 L 0.93kg(0.7kg)	0.8 L 1.24kg(0.9kg)	1.0 L 1.55kg(1.3kg)	1.2 L 1.86kg(1.4kg)	1.4 L 2.17kg(1.6kg)	2.0 L 3.1kg(2.3kg)
φ 9.52	0.05 L/m 0.08kg/m(0.06kg/m)	0.5 L 0.8kg(0.6kg)	1.0 L 1.55kg(1.3kg)	1.5 L 2.32kg(1.9kg)	2.0 L 3.1kg(2.5kg)	2.5 L 3.87kg(3.1kg)	3.0 L 4.65kg(3.8kg)	3.5 L 5.5kg(4.4kg)	5.0 L 7.8kg(6.3kg)
φ 12.7	0.10 L/m 0.155kg/m(0.13kg/m)	1.0 L 1.55kg(1.3kg)	2.0 L 3.1kg(2.5kg)	3.0 L 4.65kg(3.8kg)	4.0 L 6.2kg(5.0kg)	5.0 L 7.75kg(6.3kg)	6.0 L 9.3kg(7.5kg)	7.0 L 10.85kg(8.8kg)	10.0 L 15.5kg(12.5kg)
φ 15.88	0.15 L/m 0.23kg/m(0.19kg/m)	1.5 L 2.32kg(1.9kg)	3.0 L 4.65kg(3.8kg)	4.5 L 6.98kg(5.6kg)	6.0 L 9.3kg(7.5kg)	7.5 L 11.6kg(9.4kg)	9.0 L 13.9kg(11.3kg)	10.5 L 16.3kg(13.2kg)	15.0 L 23.0kg(18.8kg)
φ 19.05	0.23 L/m 0.356kg/m(0.29kg/m)	2.3 L 3.56kg(2.9kg)	4.6 L 7.1kg(5.8kg)	6.9 L 10.7kg(8.6kg)	9.2 L 14.3kg(11.5kg)	11.5 L 17.8kg(14.4kg)	13.8 L 21.4kg(17.3kg)	16.1 L 25.0kg(20.1kg)	23.0 L 35.6kg(28.8kg)
φ 22.22	0.32 L/m 0.496kg/m(0.40kg/m)	3.2 L 5.0kg(4.0kg)	6.4 L 10.0kg(8.0kg)	9.6 L 14.9kg(12.0kg)	12.8 L 19.8kg(16.0kg)	16.0 L 24.8kg(20.0kg)	19.2 L 30.0kg(24.0kg)	22.4 L 34.7kg(28.0kg)	32.0 L 50.0kg(40.0kg)
φ 25.4	0.43 L/m 0.666kg/m(0.54kg/m)	4.3 L 6.7kg(5.4kg)	8.6 L 13.3kg(10.8kg)	12.9 L 20.0kg(16.1kg)	17.2 L 26.7kg(21.5kg)	21.5 L 33.3kg(26.9kg)	25.8 L 40.0kg(32.3kg)	30.1 L 47.0kg(37.6kg)	43.0 L 66.7kg(53.8kg)
φ 28.58	0.56 L/m 0.868kg/m(0.70kg/m)	5.6 L 8.7kg(7.0kg)	11.2 L 17.4kg(14.0kg)	16.8 L 26.0kg(21.0kg)	22.4 L 34.7kg(28.0kg)	28.0 L 43.4kg(35.0kg)	33.6 L 52.0kg(42.0kg)	39.2 L 61.0kg(49.0kg)	56.0 L 87.0kg(70.0kg)
φ 31.75	0.69 L/m 1.07kg/m(0.87kg/m)	6.9 L 10.7kg(8.7kg)	13.8 L 21.4kg(17.4kg)	20.7 L 32.0kg(26.0kg)	27.6 L 42.8kg(34.8kg)	34.5 L 53.5kg(43.5kg)	41.4 L 64.0kg(52.1kg)	48.3 L 74.8kg(60.8kg)	69.0 L 107.0kg(87.0kg)
φ 34.92	0.84 L/m 1.302kg/m(1.06kg/m)	8.4 L 13.0kg(10.6kg)	16.8 L 26.0kg(21.2kg)	25.2 L 39.0kg(31.8kg)	33.6 L 52.0kg(42.3kg)	42.0 L 65.0kg(52.9kg)	50.4 L 78.0kg(63.5kg)	58.8 L 91.0kg(74.1kg)	84.0 L 130.0kg(105.8kg)
φ 38.1	1.01 L/m 1.565kg/m(1.27kg/m)	10.1 L 15.7kg(12.7kg)	20.2 L 31.3kg(25.5kg)	30.3 L 47.0kg(38.2kg)	40.4 L 63.0kg(50.9kg)	50.5 L 78.0kg(63.6kg)	60.6 L 94.0kg(76.3kg)	70.7 L 110.0kg(89.0kg)	101.0 L 157.0kg(127.3kg)

Vacuum Pump Choose the right vacuum pump

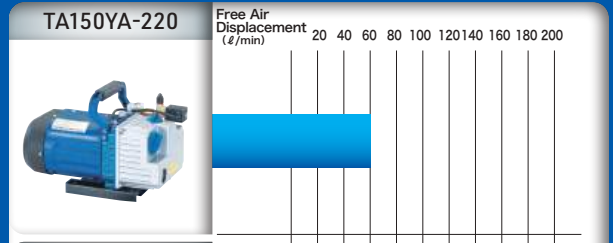
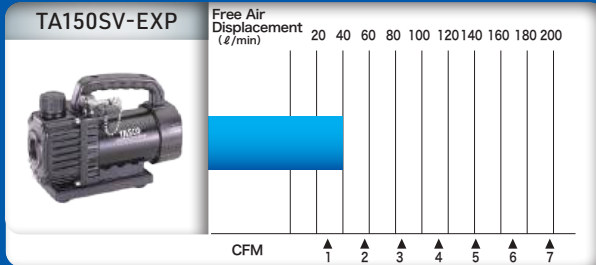
Vacuum Pump Selection

For

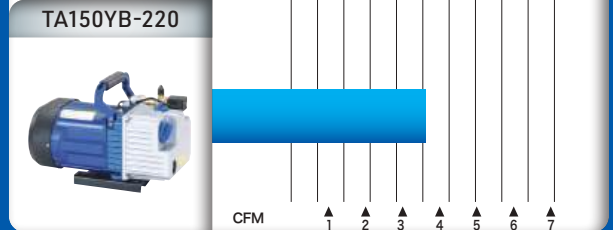
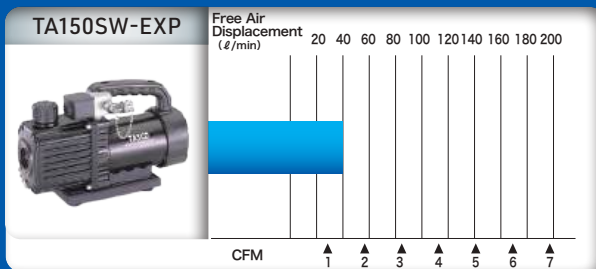
- Small Split A/C (RAC)
- Automotive A/C
- Fridge

Mist-Less Pump

For RAC



(up to 3HP)
For RAC & PAC



High Performance Vacuum Pump Oil

Part No.	Amount
TA117-1	500ml
TA117-2	1000ml
TA117-3	4000ml

- TASCO High Performance Vacuum Pump Oil improves performance of vacuum pump.
- Odorless, 5dB quieter running noise (our ratio)
- Lasts 1.5 times longer than conventional vacuum pump oil

TASCO QUALITY

No. 1

If you need a vacuum pump for small split A/C (RAC),

Miniaturization and lightweight

ULTRA-MINI VACUUM PUMP

TA150SV-EXP and TA150SW-EXP are compact and lightweight. Furthermore, these can be used for up to 3 HP packaged A/C (PAC).

Weight & Dimensions (H × D)

2.95kg · 160×120mm



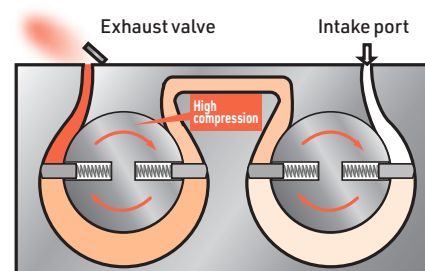
TA150SV-EXP

TASCO QUALITY

No. 2

Two stage vacuum pumps make deeper ultimate vacuum.

Two rotors connected to each other can compress intake air better and exhaust. Therefore, there is a big pressure difference between the exhaust and intake port, which can obtain deeper ultimate vacuum than the one stage vacuum pumps. Another reason for obtaining deeper vacuum is that the two stage pumps can rotate and intake air smoothly, so that there would be no back pressure load on the rotor for first stage.



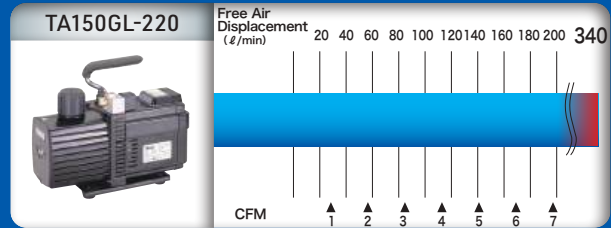
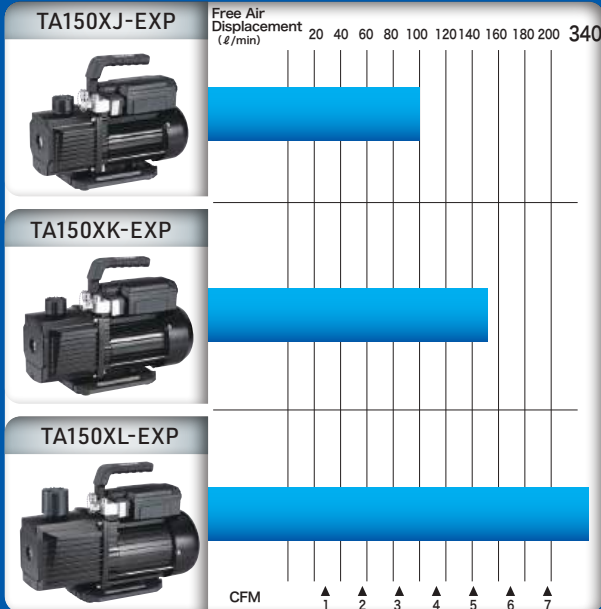
for your job site



All Tasco pumps are tested one by one before shipment.



- For**
- Package A/C (PAC) up to 15HP
 - Package A/C (PAC) up to 30HP
 - Refrigerated warehouse
 - Large GHP



Vacuum Pump Oil for TA150GL-220

Part No.	Amount
TA117GL	1000 ml

Not suitable for other pumps

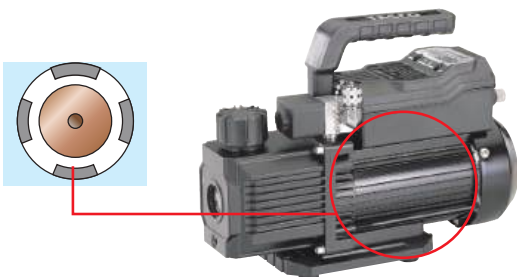


TASCO QUALITY No. 3

Quiet and high torque motor

4 POLES MOTOR

Because there are 4 electrodes, the motor is able to run at a lower speed. Therefore, there are advantages of lower noise, lower temperature, and higher torque.



TASCO QUALITY No. 4

Assist for Deep Vacuum

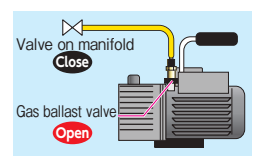
GAS BALLAST VALVE

Gas ballast valve assists the attainment of deep ultimate vacuum. It also prevents the deterioration of vacuum pump oil.



For cleaning vacuum pump oil

Open the gas ballast valve for at least 5 minutes after turning the vacuum pump on.



Ultra Mini Vacuum Pump (Single Stage)



Lightest in Class: 2.95kg

Anti-Oil Backflow Valve

Single Stage

Ultra-Mini Single Stage Vacuum Pump (with Anti-Oil Backflow Ball Valve)

Part No.	TA150SV-EXP
Free Air Displacement	1.4CFM (40L/min.)
Rotor	Single Stage
Ultimate Vacuum	95 microns
Voltage	220~240V
Motor / RPM	60W / 2880 r.p.m.
Vacuum Pump Oil Capacity	90 ml
Intake Fitting	5/16" (1/2-20UNF)
Dimensions / Weight	120W × 215D × 160H mm / 2.95kg
Accessories	1/4" Male × 5/16" Female adapter (TA159P-4)
Options	Vacuum gauge kit (TA142MK-EXP, TA142MD), Carrying case (TA150PS, TA150CS-21)

Free Air Displacement	Ultimate Vacuum
1.4 CFM (40ℓ / min.)	95 microns
For	Weight / Dims.
Small split A/C (RAC)	2.95kg / 160 × 210 mm

Proposal for a new pump with sufficient capacity



Smallest in class:
215 × 120 × 160 mm
Lightest in class: 2.95kg

With Anti-Oil Backflow Valve



Prevents cross contamination of vacuum pump oil and compressor oil by the failure of power supply.



Large Sight Glass for monitoring vacuum pump oil

Ultra Mini Vacuum Pump (Two-Stage)



Compact & Deep Ultimate Vacuum (25 microns)

Anti-Oil Backflow Solenoid Valve

Two Stage

Ultra-Mini Two Stage Vacuum Pump (with Anti Oil Backflow Solenoid Valve)

Part No.	TA150SW-EXP
Free Air Displacement	1.4CFM (40L/min.)
Rotor	Two Stage
Ultimate Vacuum	25 microns
Voltage	220~240V
Motor / RPM	70W / 2880 r.p.m.
Vacuum Pump Oil Capacity	100 ml
Intake Fitting	5/16" (1/2-20UNF)
Dimensions / Weight	100W × 245D × 160H mm / 3.75kg
Accessories	1/4" Male × 5/16" Female adapter (TA159P-4)
Options	Vacuum gauge kit (TA142MK-EXP, TA142MD), Carrying case (TA150PS, TA150CS-21)

Free Air Displacement	Ultimate Vacuum
1.4 CFM (40ℓ / min.)	25 microns
For	Weight / Dims.
RAC, PAC up to 3HP	3.75kg / 160 × 245mm

Compact & lightweight for easy portability



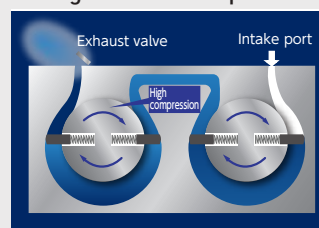
Gas Ballast Valve

Gas ballast valve helps the attainment of deep ultimate vacuum. It also prevents the deterioration of vacuum pump oil.

Anti-oil backflow solenoid valve



2-stage rotor in compact body



Two rotors connected to each other can compress intake air better and exhaust. Therefore, there is a big pressure difference between exhaust and intake port, which can obtain deeper ultimate vacuum than the one stage vacuum pumps. Another reason for obtaining deeper vacuum is two stage pumps can rotate and intake air smoothly, that there would be no load back pressure on the rotor for first stage.

TASCO New High Standard Performance Vacuum Pump



Anti-Oil Backflow Valve

Two Stage

- Two stage vacuum pump provides deeper ultimate vacuum.
- Equipped with anti-oil backflow solenoid valve preventing cross contamination of vacuum pump oil and compressor oil by the sudden failure of power supply.
- Spark free components for safe starting at operation
- Sparkfree

Free Air Displacement	Ultimate Vacuum
3.6 CFM(100ℓ /min.)	15 microns
For	Weight / Dims.
Up to 20 HP A/C	8.8 kg / 258 × 315mm

Two Stage Vacuum Pump with Anti-Oil Backflow Solenoid Valve

Part No.	TA150XJ-EXP
Free Air Displacement	3.6CFM (100L/min.)
Rotor	Two Stage
Ultimate Vacuum	15 microns
Voltage	220~240V
Motor / RPM	210W / 2880 r.p.m.
Vacuum Pump Oil Capacity	300 ml
Intake Fitting	5/16" (1/2-20UNF)
Dimensions / Weight	W122 × D315 × H 258mm/ 8.8kg
Accessories	1/4" Male × 5/16" Female adapter (TA159P-4)
Options	Vacuum gauge kit (TA142XK-EXP, TA142VK-2-EXP), Carrying case (TA150CS)



Anti-Oil Backflow Valve

Two Stage

- Two stage vacuum pump provides deeper ultimate vacuum.
- Spark free components for safe starting at operation
- Equipped with anti-oil backflow solenoid valve preventing cross contamination of vacuum pump oil and compressor oil by the sudden failure of power supply.
- Includes 3/8" conversion adapter for use with 3/8" charging hose for faster evacuation of large A/C systems.
- Sparkfree

Free Air Displacement	Ultimate Vacuum
5.3 CFM(151ℓ /min.)	15 microns
For	Weight / Dims.
Up to 20 HP A/C	11.0 kg / 272 × 348mm

Two Stage Vacuum Pump with Anti-Oil Backflow Solenoid Valve

Part No.	TA150XK-EXP
Free Air Displacement	5.3CFM (151L/min.)
Rotor	Two Stage
Ultimate Vacuum	15 microns
Voltage	220~240V
Motor / RPM	360W / 2880 r.p.m.
Vacuum Pump Oil Capacity	540 ml
Intake Fitting	5/16" (1/2-20UNF)
Dimensions / Weight	W140 × D348 × H272 mm / 11.0kg
Accessories	1/4" Male × 5/16" Female adapter (TA159P-4), 3/8" Male × 5/16" Female adapter (TA159P-6)
Options	Vacuum gauge kit (TA142XK-EXP, TA142VK-2-EXP), Carrying case (TA150CS-24)



Anti-Oil Backflow Valve

Two Stage

- For evacuation of A/C up to large-size refrigerator
- Two stage vacuum pump provides deeper ultimate vacuum.
- Spark free components for safe starting at operation
- Equipped with anti-oil backflow solenoid valve preventing cross contamination of vacuum pump oil and compressor oil by the sudden failure of power supply.
- Includes 3/8" conversion adapter for use with 3/8" charging hose for faster evacuation of large A/C systems.
- Sparkfree

Free Air Displacement	Ultimate Vacuum
8.9 CFM(252ℓ /min.)	15 microns
For	Weight / Dims.
Up to large-size refrigerator	14.8 kg / 285 × 380mm

Two Stage Vacuum Pump with Anti-Backflow Solenoid Valve

Part No.	TA150XL-EXP
Free Air Displacement	8.9CFM (252L/min.)
Rotor	Two Stage
Ultimate Vacuum	15 microns
Voltage	220~240V
Motor / RPM	500W / 2880 r.p.m.
Vacuum Pump Oil Capacity	640ml
Intake Fitting	5/16" (1/2-20UNF)
Dimensions / Weight	W160 × D380 × H285 mm / 14.8kg
Accessories	1/4" Male × 5/16" Female adapter (TA159P-4), 3/8" Male × 5/16" Female adapter (TA159P-6)
Options	Vacuum gauge kit (TA142XK-EXP, TA142VK-2-EXP), Carrying case (TA150GS)

12 CFM Large Displacement Two Stage Vacuum Pump with Inverter Motor Drive

Free Air Displacement

12 CFM (340ℓ /min.)

Ultimate Vacuum

15 microns

Weight / Dims.

11.5kg / 270 × 345mm

For

Up to Large-size refrigerator

Anti-Oil Backflow Valve

Two Stage



VACUUM PUMPS & ACCESSORIES

Two Stage Vacuum Pump with Inverter Motor Drive

Part No.	TA150GL-220
Free Air Displacement	12 CFM (340ℓ/min.)
Rotor	Two Stage
Ultimate Vacuum	15 microns
Voltage	220~240V
Motor / RPM	750W / 2500 r.p.m.
Vacuum Pump Oil Capacity	450 ml
Intake Fitting	5/16" (1/2-20UNF)
Dimensions / Weight	W135 × D345 × H270 mm / 11.5kg
Accessories	1/4" Male × 5/16" Female adapter (TA159P-4)
Options	Vacuum gauge kit (TA142XK-EXP, TA142VK-2-EXP), Carrying case (TA150GS)

+ OPTION

"TA117GL" vacuum pump oil is made for TA150GL-220.



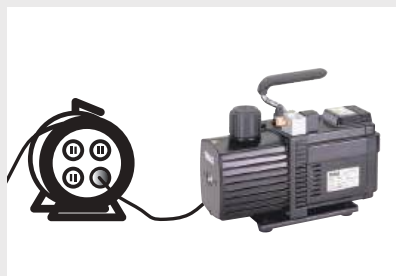
Vacuum Pump Oil for TA150GL-220

Part No.	Amount
TA117GL	1000 ml

Not suitable for other pumps

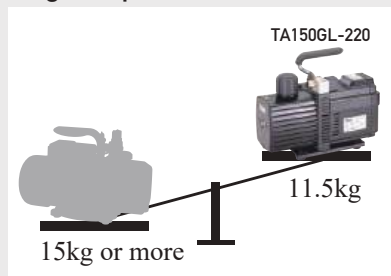
For evacuation of large A/C systems (up to 30HP), large GHP, refrigerated warehouse

Inverter Motor Drive



Stable start-up even at low voltage

Relatively lightweight despite large displacement



Lighter than vacuum pumps with the same displacement

Anti-Oil Backflow Solenoid Valve



For preventing cross contamination of vacuum pump oil and compressor oil by the sudden failure of power supply.

Two-stage filters reduce the oil mist to the limit. It keeps the workplace clean, and is suitable for working indoors.

Two-Stage Filters



Two-stage filters reduce the oil mist to the limit. You can work indoors without worrying about oil mist.

Deeper Ultimate Vacuum



Achieving ultimate vacuum of 7.5 microns by improvement of processing accuracy of rotor inside.

Stability



Reduced the risk of the pump falling over and oil leaking

Anti-Oil Backflow Valve

Two Stage

4 poles motor



Mist-Less Two Stage Vacuum Pump with Anti-Oil Backflow Solenoid Valve

Part No.	TA150YA-220
Free Air Displacement	1.9 CFM (54L/min.)
Rotor	Two Stage
Ultimate Vacuum	7.5 microns
Voltage	220~240V
Motor / RPM	250W / 1440 r.p.m.
Vacuum Pump Oil Capacity	400 ml
Intake Fitting	5/16" (1/2-20UNF)
Dimensions / Weight	W192 × D325 × H 223 mm / 9.2kg
Accessories	1/4" Male × 5/16" Female adapter (TA159P-4)
Options	Vacuum gauge kit (TA142XK-EXP, TA142VK-2-EXP), Carrying case (TA150CS-24)

Free Air Displacement	Ultimate Vacuum
1.9 CFM (54L/min.)	7.5 microns
For	Weight / Dims.
Up to 10HP A/C	9.2kg / 223× 325mm

Anti-Oil Backflow Valve

Two Stage

4 poles motor



Mist-Less Two Stage Vacuum Pump with Anti-Oil Backflow Solenoid Valve

Part No.	TA150YB-220
Free Air Displacement	3.6CFM (102L/min.)
Rotor	Two Stage
Ultimate Vacuum	7.5 microns
Voltage	220~240V
Motor / RPM	300W / 1440 r.p.m.
Vacuum Pump Oil Capacity	450 ml
Intake Fitting	5/16" (1/2-20UNF)
Dimensions / Weight	W212 × D338 × H238 mm / 12.2kg
Accessories	1/4" Male × 5/16" Female adapter (TA159P-4)
Options	Vacuum gauge kit (TA142XK-EXP, TA142VK-2-EXP), Carrying case (TA150CS-24)

Free Air Displacement	Ultimate Vacuum
3.6 CFM (102L/min.)	7.5 microns
For	Weight / Dims.
Up to 20HP A/C	12.2kg / 238× 338mm



T-VAC MINI Vacuum Gauge

Part No.
TA142TV-EXP

- Measure range: 0-25,000 Microns (3330 Pa, 33.3 mBar, 25 mmHg, 25 Torr)
- Accuracy: 5% of Reading +/-5 Microns
- Battery: AAA Alkaline×2
- Size: 11×3.3×2.5 cm
- Weight: 77g (batteries inclusive)



1/4" Male (TA142VK-EXP)
5/16" Male (TA142VK-2-EXP)

1/4" Female (TA142VK-EXP)
5/16" Female (TA142VK-2-EXP)

Vacuum Gauge Kit

Part No.
TA142VK-EXP

- Vacuum gauge: -30 in.HG ~ 0 psi -100 ~ 0 kPa
- Gauge diameter: 80mm
- Fittings: 1/4" (7/16 - 20UNF) Female × 1/4" (7/16 - 20UNF) Male
- Including one adapter, 5/16" Male × 1/4" Female (TA159P-1)

Vacuum Gauge Kit

Part No.
TA142VK-2-EXP

- Vacuum gauge: -30 in.HG ~ 0 psi -100 ~ 0 kPa
- Gauge diameter: 80mm
- Fittings: 5/16" (1/2 - 20UNF) Female × 5/16" (1/2 - 20UNF) Male
- Including one adapter, 1/4" Male × 5/16" Female (TA159P-4)

Vacuum Pumps for TA142VK-2-EXP



- TA150YA-220
- TA150YB-220
- TA150XA-220
- TA150XB-220
- TA150XC-220
- TA150XX-220
- TA150GL-220
- TA150XK-EXP
- TA150XJ-EXP
- TA150XL-EXP



Vacuum Gauge (80φ)

Part No.
TA142BHPK

- Vacuum Gauge: -30 in.HG ~ 0 psi -100 ~ 0 kPa
- Gauge Diameter: 80mm
- With a red needle for reference
- 1/8" NPT connections

Carrying Cases for Vacuum Pump



Carrying Bag for Vacuum Pump

Part No.
TA150PS

- Dimensions: 350W×150D×180H mm
- For TA150SA-2-220, TA150SB-2-220, TA150SV-EXP, TA150SW-EXP
- Protects the pumps from impact during transportation.



Aluminum Carrying Case for Vacuum Pump

Part No.
TA150CS-21

- Outer dimensions: 300W×165D×220H mm
- Inner dimensions: 285W×150D×205H mm
- For TA150SA-2-220, TA150SB-2-220, TA150SV-EXP, TA150SW-EXP
- Shoulder strap included.
- Protects the pumps from impact during transportation.



Aluminum Carrying Case for Vacuum Pump

Part No.
TA150GS

- Outer dimensions: 460W×220D×350H mm
- Inner dimensions: 440W×200D×330H mm
- Weight: 3.2kg
- For TA150XX-220, TA150GL-220, TA150XL-EXP
- Shoulder strap included.
- Protects the pumps from impact during transportation.



Aluminum Carrying Case for Vacuum Pump

Part No.
TA150CS

- Outer dimensions: 410W×190D×280H mm
- Inner dimensions: 385W×170D×255H mm
- Weight: 2.3kg
- For TA150XA-220, TA150XB-220, TA150XJ-EXP
- Shoulder strap included.
- Protects the pumps from impact during transportation.



Aluminum Carrying Case for Vacuum Pump

Part No.
TA150CS-24

- Outer dimensions: 435W×295D×340H mm
- Inner dimensions: 415W×250D×290H mm
- Weight: 3.7kg
- For TA150YA-220, TA150YB-220, TA150XK-EXP
- Shoulder strap included.
- Protects the pumps from impact during transportation.

Vacuum Gauge Kits

psi kPa

φ40 mm



Mini Vacuum Gauge

Part No.

TA142BPPK

- Vacuum Gauge: -30 in.HG ~ 0 psi
-100 ~ 0 kPa
- Gauge Diameter: 40mm
- 1/8" NPT connections

MPa

φ45 mm



Mini Digital Gauge

Part No.



TA141DM

- Pressure Range: -0.1 ~ 5.0MPa
- Resolution: 0.001MPa
- Gauge Diameter: 45mm
- Auto-off: 10 minutes ■ 1/8" NPT connections
- Battery: CR2450 × 1

Mini Vacuum Gauge Kit

- 5/16" (1/2 - 20UNF) Female × 5/16" (1/2 - 20UNF) Male
- Including one adapter, 1/4" Male × 5/16" Female (TA159P-4)
- Ball valve is used for leak test after evacuation.



	Vacuum pump	<p>psi kPa</p> <p>φ40 mm</p> 	<p>MPa</p> <p>φ45 mm</p> 
<ul style="list-style-type: none"> ■ TA150SV-EXP ■ TA150SW-EXP ■ TA150SA-2-220 ■ TA150SB-2-220 		 <p>TA142MK-EXP</p>	 <p>TA142MD</p>
		 <p>TA142GK-EXP</p>	 <p>TA142GD</p>
<ul style="list-style-type: none"> ■ TA150YA-220 ■ TA150YB-220 ■ TA150XA-220 ■ TA150XB-220 ■ TA150XC-220 ■ TA150XX-220 ■ TA150GL-220 ■ TA150XK-EXP ■ TA150XJ-EXP ■ TA150XL-EXP 		 <p>TA142XK-EXP</p>	 <p>TA142XD</p>



Resolution	Alarm	Backlight	ESD Protection
5g	AUTO Power-OFF	Memory	Ball valve

ESD=Electro-Static Discharge



Standard Charging Scale

Part No.	TA101CB
Resolution / Capacity	5g/50kg
Platform Dimensions	228×228 mm (Removable)
Overall Dimensions / Weight	378 (L)×315 (W)×68 (D) mm / 4.1 kg
Battery type	DC9V (006P)
Operating Temperature	5~40°C



Resolution	Alarm	Backlight	ESD Protection
5g	AUTO Power-OFF	Memory	Ball valve

ESD=Electro-Static Discharge

Standard Charging Scale

Part No.	TA101FB
Resolution / Capacity	5g / 50kg
Platform Dimensions	230×230 mm (Removable)
Overall Dimensions / Weight	395 (L)×285 (W)×65 (D) mm / 3.9kg
Battery type	DC9V (006P)
Operating Temperature	5~40°C
Ball Valve	1/4" Male×1/4" Male fittings
Accessories	2 Adapters for R410A & R32 (5/16" Male×1/4" Female)



Resolution (HIGH▶MEDIUM▶LOW)	Alarm	Backlight	ESD Protection
2g ▶ 5g ▶ 10g	AUTO Power-OFF	Memory	Ball valve

ESD=Electro-Static Discharge

Standard Charging Scale

Part No.	TA101KA
Resolution / Capacity	2g·5g·10g/100kg
Controller Dimensions	70 (L)×118 (W)×17 (D) mm
Overall Dimensions / Weight	263 (L)×263 (W)×47 (D) mm / 2.4kg
Battery type	AAA Alkaline x 4
Operating Temperature	5~40°C
Accessories	Shoulder Bag

Infrared Detection (NDIR)

Dispersive infrared technology quickly and accurately detects the refrigerant leak, and does not react to nuisances such as oil and moisture.

Long Sensor Life



Provides a long-term stable performance.

LED Bar Display



The 9 LED bar display from green to red indicates the degree of refrigerant concentration in air.

Turbo Mode

Quick and easy for identifying the smallest leaks.

5 Hours to Spare

5 hours continuous use after a charge.



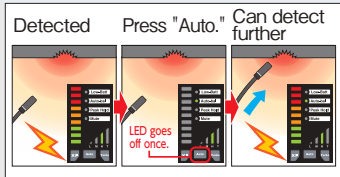
Indication of low battery

Peak Hold



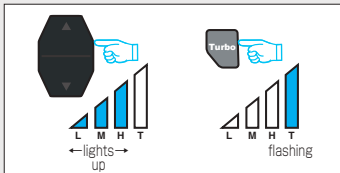
Flashes when the highest concentration is detected.

Auto Balance



Resets the sensor to ambient environment and TA430D can detect further pinpoint leak, even in contaminated environments.

Sensitivity Selection + Turbo mode



Auto-Off

10 minutes after no activity

Mute Mode



Sensitivity **3.0g/year**



Sensitivity Modes
Lo/Mid/Hi/TURBO



Li-ion Battery
3.7V



Refrigerants

R410A

R32

R407C

R404A

R134a

R1234yf

R22

R12

R502

etc.

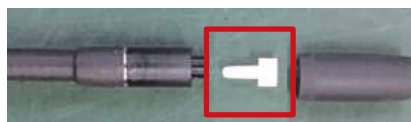


Includes a carrying case

IR Leak Detector

Part No.	TA430D
Refrigerants	R410A, R32, R407C, R404A, R134a, R1234yf, R22, R12, etc.
Sensitivity	[TURBO] 3g/year, [HI] 10g/year, [MID] 50g/year, [LO] 100g/year
Leak Indication	Audible and Visual LED bar indicator
Warm-up Time	45 seconds
Auto-Off	10 minutes after no activity
Operating Environment	0-40°C, 0-80%RH (non-condensing)
Probe	460mm long, 14mm diameter
Battery Type	Rechargeable Li-ion Battery
Dimensions and Weight	198(L)×70(W)×42.5(H)mm / 365g
Accessories	USB Charger(100-240V 50/60Hz), USB Cable, Carrying Case

OPTION



Replacement Filter

Part No.

TA430D-F2

□ Package Qty. 2 pieces

Auto Balance

Reset the sensor to ambient environment and TA430MB can detect further pinpoint leak, even in contaminated environments. Enable to choose either manual or automatic mode.



Automatic Auto Balance

(Orange lighting) Keep pressing "RESET" button for 2 seconds to switch.



If the unit beeps to the surrounding refrigerant, press the "auto-reset" button. The TA430MB can now detect higher concentration of the leak, thus able to distinguish the leak spot.

Manual Auto Balance



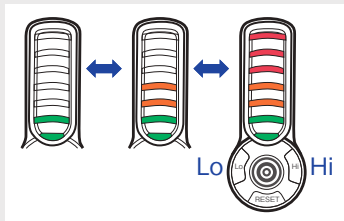
Detected.



Not lit

By pressing the RESET button, TA430MB memorizes the current ambient concentration leaks and can detect higher concentration of leaks.

LED Bar Display



The 7 LED bar display from green to red indicates the degree of refrigerant concentration in air. Set the sensitivity level by pressing Lo or Hi button.

Leak Detector with Heated Diode system
Provides easy, fast, and efficient leak detection.

Sensitivity **3.0^g/year**

Sensitivity Modes
Lo/Mid/Hi



Includes a carrying case



Refrigerants

R410A

R32

R407C

R404A

R134a

R22

R1234yf

R12

R502

etc.

Leak Detector

Part No.	TA430MB
Refrigerants	R410A, R32, R407C, R404A, R134a, R1234yf, R22, R12, R502, etc.
Sensitivity	[HI]3g/year, [MID]15g/year, [LO]30g/year(R410A)
Leak Indication	Audible and Visual LED bar indicator
Warm-up Time	45 seconds
Auto-Off	10 minutes after no activity
Operating Environment	0-45°C, 0-80%RH (non-condensing)
Battery	C Alkaline battery×2
Dimensions / Wight	222(L)×66(W)×51(H)mm / 420g
Accessories	Check Bottle, Battery, Carrying Case

+ OPTIONS



Replacement Sensor

Part No.
TA430MA-10

Remove tip cover and replace.



Replacement Filter

Part No.	Quantity
TA430MA-30	30

Includes tweezers.

Suitable for HC refrigerant detection. Capable to use at -20°C

R290
Sensitivity
2.1g/year

Sensitivity Modes
Lo/Hi/TURBO



Leak Detector

Part No.	TA430ST-EXP
Refrigerants & Sensitivities	R600a (2.7g/year), R22 (4.1g/year), R32 (2.4g/year), R404A (4.6g/year), R407C (4.0g/year), R410A (3.4g/year), R134a (9.58g/year), R290 (2.1g/year), R1234yf (5.3g/year)
Leak Indication	Audible and Visual
Operating Temperature	-20-55°C
Operating Humidity	0-95%RH (No Condensation)
Battery	AA Alkaline batteries × 2
Explosion Proof	Compliant with JIS0920
Dimensions	145(L) × 45(W) × 42(H)mm
Weight	220g
Accessories	Protective cover, Taper nozzle, Hand strap, Battery, Replacement filter (5pcs)

Refrigerants

R410A

R32

R407C

R404A

R600a

R134a

R1234yf

R22

R12

R290

etc.

Shock-resistance
Protective Class IP67 Equivalent
Includes a protective cover

- Not only specializing in HC refrigerants detection but also HFC and HCFC refrigerants detection
- Displays the leakage concentration of each refrigerant in PPM.
- Selects and specifies the refrigerant to be detected on the screen.
- Equipped with LED light for working in the dark
- With data logger capability**
- Records 256 data of year, month, date, and refrigerant concentration in PPM.

Sensitivity of R32 is only 1.71g / year!

R290
Sensitivity
1.45g/year

Sensitivity
5Levels



High Precision Leak Detector

Part No.	TA430B
Refrigerants & Sensitivities	R22 (2.84g/year), R32 (1.71g/year), R404A (3.3g/year), R407C (3.12g/year), R600a (1.91g/year), R410A (2.82g/year), R134a (20.09g/year), R290 (1.45g/year), R1234yf (3.74g/year)
Warm-up Time	10 seconds
Leak Indication	Audible and Visual
Operating Temperature	0-40°C
Operating Humidity	0-85%RH (non-condensing)
Battery	AA Alkaline batteries × 2
Explosion Proof	ExiaII BT3
Dimensions	130(L) × 38(W) × 32(D) mm
Weight	190g
Accessories	Leather cover case, Drain filter, Filter element, Short probe, Flexible probe, Dust filter, Strap

Refrigerants

R410A

R32

R407C

R600a

R404A

R134a

R22

R290

etc.

- High Sensitivity and Long-life Sensor
- The suction pump of TA430B automatically stops when drawing in water to prevent malfunction.
- The remaining refrigerant in TA430B is automatically emptied when turning off. Clean and ready to detect every time.
- The speed of the alarm sound changes gradually as the refrigerant concentration changes, making it easy to determine the location of the refrigerant leak.
- Protective Class: IP22 or equivalent

Refrigerant leak preventive agent that is useful in various situations such as leak prevention of flare joints and fall prevention of copper packing.



FLARE AID

Part No.	Quantity
TA920FA	1
TA920FA-12	12

- Inner Capacity...50mL(each)
- Compatible with all refrigerants (Only for POE Oil Base)
- Suppresses refrigerant leakage with just a small amount of application
- Active in all situations such as flare joints and copper pipe contact patches

※ This is not a product that guarantees 100% no leakage
 ※ Cannot be used on units that uses mineral oil

Be sure to apply it only on the flare surface.



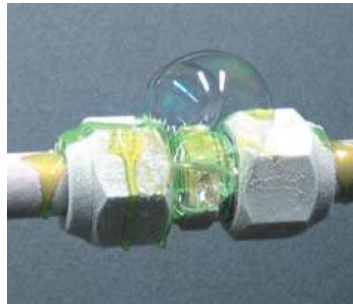
CHARGING SCALES & LEAK DETECTORS



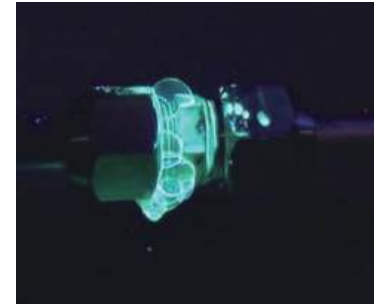
SIGHT CHEK

Part No.	Volume
TA434SC-1	470mL

- All-temperature formula: -46°C to 93°C
- Handy spray bottle allows for easy, targeted application
- Ultra-sensitive long lasting bubbles for easy leak identification
- Non-corrosive, non-toxic, safe for oxygen



Can be used at low temperature



Containing a fluorescent agent



Blacklight (UV Light)

Part No.	Illumination
TA434KA	3 LEDs
TA434KB	9 LEDs

- AAA Alkaline battery×3 (Not included in the package)



1/8" ~ 1 1/4" (3.18 ~ 31.75mm)

Premium Tube Cutter

Part No.
TA560A

- Precise feed screw for smooth cutting without clogging and spiral
- For 1/8" to 1 1/4" (3.18 to 31.75 mm) O.D. tubing
- One spare cutting wheel included in handle
- Including a foldaway reamer for deburring
- Length : 128 mm
- TA560A-1 : Replacement cutting wheels (Package Qty. : 5)
- TA560AS-1 : Replacement cutting wheels for stainless tubing (Package Qty. : 5)



3/16" ~ 1 3/4" (4.76 ~ 44.45mm)

Premium Hi-Duty Tube Cutter

Part No.
TA560RC

- Precise feed screw for smooth cutting without clogging and spiral
- For 3/16" to 1 3/4" (4.76 to 44.45mm) O.D. tubing
- One spare cutting wheel included in handle
- Including a foldaway reamer for deburring
- Length : 162 mm
- TA560A-1 Replacement cutting wheels (Package Qty. : 5)
- TA560AS-1 Replacement cutting wheels for stainless tubing (Package Qty. : 5)



1/4" ~ 2 3/8" (6.35 ~ 60.33mm)

Premium Heavy-Duty Tube Cutter

Part No.
TA560BC

- For 1/4" to 2 3/8" (6.35 to 60.33mm) O.D. tubing
- Ratchet feed mechanism speeds up cutting operation.
- One spare cutting wheel included in handle
- Including a foldaway reamer for deburring
- Length : 191 mm
- TA560BC-1 Replacement cutting wheel (Package Qty. : 1)



1/8" ~ 5/8" (3.18 ~ 15.88mm)

Mini Premium Tube Cutter

Part No.
TA560H

- Designed for use in tight places
- For 1/8" to 5/8" (3.18 to 15.88mm) O.D. tubing
- One spare cutting wheel included
- Enable to cut capillary tubing
- TA560A-1 Replacement cutting wheels (Package Qty. : 5)



3/16" ~ 1 1/8" (4.76 ~ 28.58mm)

Mini Premium Tube Cutter

Part No.
TA560NT

- Designed for use in tight places
- For 3/16" to 1 1/8" (4.76 to 28.58mm) O.D. tubing
- One spare cutting wheel included
- TA560A-1 Replacement cutting wheels (Package Qty. : 5)



1 ~ 3mm

Capillary Tube Cutter

Part No.
TA560Y

- Designed for cutting capillary tubing
- For 1 to 3mm O.D. copper tubing



3/16" ~ 1 1/4" (4.76 ~ 31.75mm)

Tube Cutter for Stainless Tubing

Part No.
TA560FD

- For 3/16" to 1 1/4" (4.76 to 31.75mm) O.D. tubing
- Ball bearings on roller and cutting wheel for very smooth and easy cutting
- Length : 141 mm
- TA560FD-1 Replacement cutting wheel for stainless tubing (Package Qty. : 1)



5/8" ~ 2 3/8" (15.88 ~ 60.33mm)

Heavy-Duty Tube Cutter for Stainless Tubing

Part No.
TA560FE

- For 5/8" to 2 3/8" (15.88 to 60.33mm) O.D. tubing
- Ball bearings on roller and cutting wheel for very smooth and easy cutting
- Ratchet feed mechanism speeds up cutting operation.
- Length : 230 ~ 296 mm
- TA560FE-1 Replacement cutting wheel for stainless tubing (Package Qty. : 1)



3/16" ~ 1 1/8" (4.76 ~ 28.58mm)

Mini Tube Cutter for Stainless Tubing

Part No.
TA560KE

- Designed for use in tight places
- For 3/16" to 1 1/8" (4.76 to 28.58mm) O.D. tubing
- Ball bearings on roller and cutting wheel for very smooth and easy cutting
- TA560FD-1 : Replacement cutting wheel (Package Qty. : 1)

Replacement Cutting Wheel

Part No.	Tube Cutter	Package Qty.
TA560AM-1	TA560AM	2
TA560BM-1	TA560BM	2
TA560A-1	TA560A, TA560RC, TA560H, TA560NT	5
TA560BC-1	TA560BC	1

Part No.	Tube Cutter	Package Qty.
TA560FD-1	TA560FD, TA560KE	1
TA560FE-1	TA560FE	1
TA560AS-1	(for stainless tubing) TA560A, TA560RC, TA560AS, TA560NT	5
TA560AF-10	TA560AG, TA560SM	2

⚠ Cautions If you use tube cutter for stainless tubing to cut copper tubing, you will see a lot of burrs on the edge of tube.



Ti coated blade

1/8" ~ 1 1/4" (4 ~ 32mm)

Spring assisted Tube Cutter

Part No.

TA560AG

■ Length: 133mm
 ※ TA560AF-10 Replacement cutting wheels
 (Package Qty. : 2)

Just insert and turn in direction of arrow. Designed for use in small tight places!



Semi-Automatic Cutter

Part No.	Tube O.D.
TA560MG-2	1/4"
TA560MG-3	3/8"
TA560MG-4	1/2"
TA560MG-5	5/8"
TA560MG-6	3/4"
TA560MG-7	7/8"
TA560MG-8	1"
TA560MG-81	1 1/8"
TA560MG-82	1 1/4"

Replacement Cutting Wheel

(Quantity: 5)

Part No.	For
TA560MG-12	TA560MG-2~7, 81, 82
TA560MG-11	TA560MG-8



1/4" ~ 1"

Semi-Automatic Cutter Kit

Part No.

TA560MGS

TA560MG-2, TA560MG-3, TA560MG-4,
 TA560MG-5, TA560MG-6, TA560MG-7,
 TA560MG-8
 *Carry case, Gloves



1/4" ~ 1 1/4"

Semi-Automatic Cutter Kit

Part No.

TA560MGK

TA560MG-2, TA560MG-3, TA560MG-4,
 TA560MG-5, TA560MG-6, TA560MG-7,
 TA560MG-8, TA560MG-81, TA560MG-82
 Carry case, Gloves



1/4" ~ 5/8" (6.35 ~ 15.88mm)

Copper Tube Repair Tool

Part No.

TA504SA

■ For 1/4" to 5/8" (6.35 to 15.88mm) O.D. tubing
 ■ Length: 275mm
 ■ Weight: 340g



Duct Cutter · PVC Cutter



Excellent sharpness

A/C Duct Cutter

Part No.	Descriptions
TA643TD	A/C Duct Cutter
TA643AC-10	Replacement blade (Package Qty. 1)

- Length : 310mm
- Weight : 570g
- Provides a smooth burr-free cut on plastic duct cover.
- For INABA Slim Duct (SD-66, SD-77, SD-100, MD-751, MD-851, LD-70, LD-90)

Hollow grind blade keeps sharpness lasting.



Hollow Grind



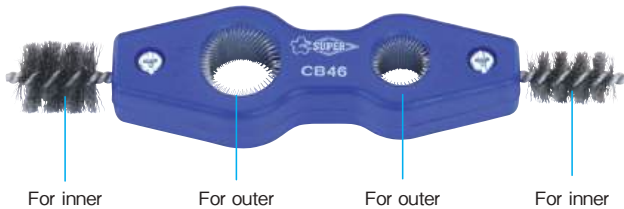
Ultra-thin, Sharp-edged Blade

PVC Cutter

Part No.	Descriptions
TA643VP	PVC Cutter
TA643VP-10	Replacement blade (Package Qty. 1)

- For PVC tube (up to O.D.38mm)
- Easy ratchet action and sharp thin blade give an easy and clean cut.
- Length : 200mm

Copper tube brush



Cleaning Brush for Copper Tube

Part No.
TA504CB

- Cleans 1/2" (15.88mm) and 3/4" (22.23mm) copper tube inside and outside
- Cleans and prepares joints for solder



Replacement Brush

Part No.
TA504CB-10

- Inner brush for 1/2", 3/4" each
- Outer brush for 1/2", 3/4" each

Deburring Tools

Lack of deburring can cause refrigerant leakage.

The cranked rotary style blade is easy and perfect for removing burrs from edge of the tube.



$1/4" \sim 3/4"$ (6.35~19.05mm)

Crank Reamer

Part No.

TA520CK



5 Sharp Blades with File



$1/8" \sim 7/8"$ (3~22mm)

Tube Deburring Tool with File

Part No.

TA530

- Reams inside edge of tube at acute angle with 5 hardened cutting blades
- Tough die cast body.
- File for a beautiful finish

Titanium Coated Blade



Deburring Tool with Titanium Coated Blade

Part No.

TA520AF

- For fast deburring
- Long lasting Titanium coated blade



Deburring Tool

Part No.

TA520AG

- For metal, aluminum, copper, brass, casting, resin.
- Including three kinds of blades and enable to store inside of grip



File

Part No.

TA530Y

Length

248mm

- After deburring, use this file to smoothen the cutting surface.

Replacement Blade

Part No.	TA520CR-11	TA520AF-2	TA520AA-10	TA520AA-11	TA520AA-12
Shape					
For	$1/4"$ to $3/4"$ copper tube	Copper & Aluminum tube	Acute angle, Single-edged clockwise	Obtuse angle, Double-edged	Acute angle, Single-edged clockwise
Compatible Model	TA520CK	TA520AF	TA520AG	TA520AG	TA520AG
Quantity	1	2	10	10	10

Deburring Tool for the inside and the outside of the tube

$3/8" \sim 1 3/8"$ (8~35mm)



Drill Driver Adapter Set

Set Part No.	Part No.	Description
TA530TA-S	TA530TA	Reamer
	TA530TA-1	Adapter

- For copper, stainless

$1/2" \sim 2 1/8"$ (10~54mm)



for Larger Tube

Part No.

TA530TB

- Do not use with Impact Driver.

Flaring Tools



TASCO has a wide range of flaring tools to meet the demands of any job site.



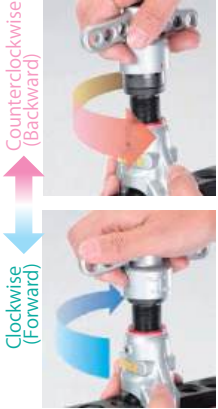
Type of Handle	Normal Handle	Quick Handle	Normal Handle	Normal Handle	Quick Handle	Quick Handle	Use with Impact Driver	Use with or without Drill Driver	Use with Ratchet Wrench
Weight	760g Aluminum	1050g Aluminum	1400g	1270g	1680g	1550g	1500g	1460g	1690g
Clamping Bar	1/4"	○	○	○	○	○	○	○	○
	3/8"	○	○	○	○	○	○	○	○
	1/2"	○	○	○	○	○	○	○	○
	5/8"	○	○	○	★	○	★	○	○
	3/4"	—	★	○	★	○	★	○	○

★ Flare forming up to 3/4" is possible by purchasing optional clamping bars. (TA550AH, TA550Y, TA550G)



Quick Handle
TA550AH
TA550HB
TA550G

Quick handle reduces user fatigue.



A quick handle is like a ratchet wrench that only loads in one direction. You can switch between clockwise (forward) and counterclockwise (reverse) by turning the handle up and down. There is less hand movement and is suitable for working in narrow places.



Use with Ratchet Wrench
TA550WB

Use with ratchet wrench reduces user fatigue.



TA550WB



Short Clamping Bar
TA550Y
TA550G

Suitable for working in narrow places



Use with or without Driver Drill
TA550DB



Use with Impact Driver
TA550CX

Dramatically reduces the amount of time to create a precise flare.

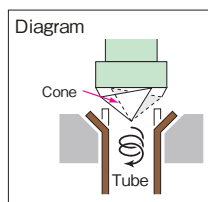


Aluminum Flaring Tools
TA550A
TA550AH

50% lighter than steel design
With 4 positions (1/4, 3/8, 1/2, 5/8) clamping bar



Eccentric cone



Eccentric rotation creates precise 45° flare

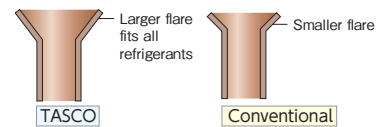
Built-in clutch notifies when formed flare is completed, and releases load to prevent over-compression.

Installation of R410A and R32 requires larger flare.

Pink and Red rings
Confirmed to R410A and R32 new standards



Just set the copper tube on surface of clamping bar.



TASC0 flaring tool can produce accurate flares in accordance with the standard for R410A and R32.

Line painted in white on clamping bar



Easy positioning for alignment of clamping bar

Flaring tool kit contains each flaring tool, a tube cutter (TA560A) and a deburring tool (TA530) in a rugged carrying case (TA550CS-2).





Weight only 760g! Compact and lightweight aluminum body

Aluminum **760 g** Tube O.D. $\frac{1}{4}'' \sim \frac{5}{8}''$



50% lighter than steel designs



<TA550AT-2>
Kit contains a TA560A tube cutter, a TA530 deburring tool, and a TA550A in a rugged carrying case.

Lightweight Flaring Tool

Part No.	Descriptions
TA550A	Flaring Tool only
TA55AT-2	Flaring Tool Kit

■ For $\frac{1}{4}''$, $\frac{3}{8}''$, $\frac{1}{2}''$ $\frac{5}{8}''$ O.D. tubes



Clamping Bar for TA550A

Part No.
TA550A-1

■ For $\frac{1}{4}''$, $\frac{3}{8}''$, $\frac{1}{2}''$ $\frac{5}{8}''$ O.D. tubes

Easy and accurate positioning of clamping bar!
Lightweight Quick Handle Flaring Tool

Quick Handle Aluminum Slide-Lock **1050 g** Tube O.D. $\frac{1}{4}'' \sim \frac{5}{8}''$

Quick Handle



Slide-Lock



Easy and accurate positioning of clamping bar



<TA550AHT-2>
Kit contains a TA560A tube cutter, a TA530 deburring tool, and a TA550AH in a rugged carrying case.



Lightweight Quick Handle Flaring Tool

Part No.	Descriptions
TA550AH	Flaring Tool only
TA55AHT-2	Flaring Tool Kit

■ For $\frac{1}{4}''$, $\frac{3}{8}''$, $\frac{1}{2}''$ $\frac{5}{8}''$ O.D. tubes



TA550AH-14

"Slide-Lock" Clamping Bars for TA550AH

Part No.	Tube O.D.
TA550AH-14	$\frac{1}{4}'' \sim \frac{3}{8}'' \sim \frac{1}{2}'' \sim \frac{5}{8}''$
TA550AH-15	$\frac{1}{4}'' \sim \frac{3}{8}'' \sim \frac{1}{2}'' \sim \frac{5}{8}'' \sim \frac{3}{4}''$

Basic Model

Tube O.D.
1/4" ~ 3/4"

1400
g



Flaring Tool

Part No.	Descriptions
TA550NB-E	Flaring Tool only
TA55NBT-2E	Flaring Tool Kit

■ For 1/4", 3/8", 1/2", 5/8", 3/4" O.D. tubes

<TA55NBT-2E>
Kit contains a TA560A tube cutter, a TA530 deburring tool, and a TA550NB-E in a rugged carrying case.



TA55NBT-2



Suitable for working in narrow places

Tube O.D.
1/4", 3/8", 1/2"

1270
g



Flaring Tool with Short Clamping Bar

Part No.	Descriptions
TA550Y	Flaring Tool only
TA55YT-2	Flaring Tool Kit

■ For 1/4", 3/8", 1/2" O.D. tubes

<TA550AHT-2>
Kit contains a TA560A tube cutter, a TA530 deburring tool, and a TA550Y in a rugged carrying case.



TA55YT-2



Quick handle reduces user fatigue.

Tube O.D.
1/4" ~ 3/4"

1680
g



Quick Handle Flaring Tool

Part No.	Descriptions
TA550HB	Flaring Tool only
TA55HBT-2	Flaring Tool Kit

■ For 1/4", 3/8", 1/2", 5/8", 3/4" O.D. tubes

<TA55HBT-2>
Kit contains a TA560A tube cutter, a TA530 deburring tool, and a TA550HB in a rugged carrying case.



TA55HBT-2



Quick Handle with Short Clamping Bar - Suitable for working in narrow places

Tube O.D.
1/4", 3/8", 1/2"

1550
g



Quick Handle Flaring Tool with Short Clamping Bar

Part No.	Descriptions
TA550G	Flaring Tool only
TA55GT-2	Flaring Tool Kit

■ For 1/4", 3/8", 1/2" O.D. tubes

<TA55HBT-2>
Kit contains a TA560A tube cutter, a TA530 deburring tool, and a TA550G in a rugged carrying case.



TA55GT-2

Built-in "Double Clutches" prevents over-compression.

You can use your own impact driver.



Use an impact driver of 45N·m or more.



Tube O.D.
1/4" ~ 3/4"

1500 g



TA55CXT-2

Flaring Tool with Impact Driver

Part No.
TA550CX

- For 1/4", 3/8", 1/2", 5/8", 3/4" O.D. tubes
- Including a drive socket (TA550CX-AD) and Flare Measure Guide (TA504MA)

Flaring Tool with Impact Driver Kit

Part No.
TA55CXT-2

Kit contains a TA560A tube cutter, a TA530 deburring tool, and a TA550CX in a rugged carrying case.

Slide-Lock



Easy and accurate positioning of clamping bar

TA504MA included



OPTION



Socket Adapter

Part No.
TA550CX-AD

FLARING TOOLS



Dramatically reduces the amount of time to create a precise flare by using a drill driver.

Tube O.D.
1/4" ~ 3/4"

1460 g



Flaring Tool with or without Drill Driver

Part No.	Descriptions
TA550DB	Flaring Tool only
TA55DBT-2	Flaring Tool Kit

- For 1/4", 3/8", 1/2", 5/8", 3/4" O.D. tube
- Including a drive socket
- Enable to use with a ratchet handle, TA550SH, or a ratchet wrench, TA730SR.

<TA55DBT-2>
Kit contains a TA560A tube cutter, a TA530 deburring tool, and a TA550DB in a rugged carrying case.

⚠ Do not use with Impact Driver.



TA55DBT-2



Use with ratchet wrench reduces user fatigue.

Tube O.D.
1/4" ~ 3/4"

1690 g



Flaring Tool with Ratchet Wrench

Part No.	Descriptions
TA550WB	Flaring Tool only
TA55WBT-2	Flaring Tool Kit

- For 1/4", 3/8", 1/2", 5/8", 3/4" O.D. tubes

<TA55WBT-2>
Kit contains a TA560A tube cutter, a TA530 deburring tool, and a TA550WB in a rugged carrying case.

- Including a ratchet wrench
- Enable to use with a ratchet handle, TA550SH, or a ratchet wrench, TA730SR.



TA55WBT-2

Precise flare prevents leakage.



Flare Measure Guide

Part No.
TA504FG

- Dimensions: 40 × 37 × 25mm
- Just pinch it with clamping bar for setting tubes at exact position



Always creates precise flares in accordance with JIS standards and reduces refrigerant leaks.



Magnet Type Flare Measure Guide

Part No.
TA504MA

- Dimensions: 40 × 37 × 25mm
- Just pinch it with clamping bar for setting tubes at exact position
- Not compatible with aluminum clamping bars (TA550A/TA550AH)

How to use Remove any burrs on the cut end of the tube first.



Pinch TA504FG with clamping bar.



Insert a tube until it hits TA504FG.



Clamp a tube firmly, remove TA504FG, and tighten the clamping handle.



Done!

You can check if the accurate flare was made with TA504SG.

FLARING TOOLS



TA550CX Clamping Bar

Part No.	Tube O.D.
TA550CX-1	1/4", 3/8", 1/2", 5/8", 3/4"

For judging flare sizes

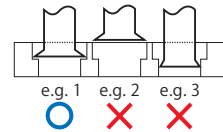


Flare Size Gauge

Part No.	Tube O.D.
TA504SG	1/4", 3/8", 1/2", 5/8", 3/4"

■ Dimensions: 50 × 112 mm

How to use



Insert the flare with tube into the matching hole in TA504SG.

- If the flare fits perfectly, the size of flare is accurate. (e.g. 1)
- If the flare does not insert into the hole, the size of flare is too big. (e.g. 2)
- If the flare falls out of the hole, the size of flare is too small. (e.g. 3)

For replacement of clamping bar of flaring tools except TA550A, TA550AH, & TA550CX.



Replacement Clamping Bar

Part No.	Tube O.D.
TA550N-1	1/4", 5/16", 3/8", 1/2", 5/8", 3/4"



Replacement Clamping Bar

Part No.	Tube O.D.
TA550NB-1	1/4", 3/8", 1/2", 5/8", 3/4"



Replacement Clamping Bar

Part No.	Tube O.D.
TA550G-1	1/4", 3/8", 1/2"



Carrying Case for Flaring Tool

Part No.
TA550CS-2

- Dimensions: W247×D133×H198 mm
- For TA550A, TA550AH, TA550NB-E, TA550Y, TA550G, TA550HB, TA550NB, TA550WB



Telescopic Flex-Head Ratcheting Wrench

Part No.
TA730SR

- 3/8" (9.5mm) Drive
- Telescopic: 140~190mm
- Flexible 180 Degrees: The flex head tilts up to 180° which improve your efficiency greatly.
- Reduces user fatigue.

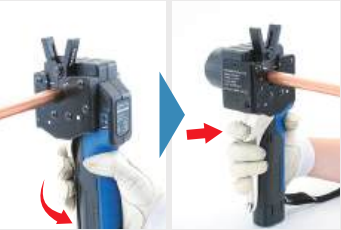
How to use



Align the end of the tube with the gauge and pinch it into the clamp.



Sets the clamp with tube to cordless flaring tool.



Pull the trigger, and push the button.



Done!



Li-ion Battery 7.4V	Over 100 times to make 3/8" flare
Tube O.D. 1/4" ~ 3/4"	Chargeable



Carrying Case

Cordless Flaring Tool Kit

Part No.	TA550SF-EXP
Tube O.D.	1/4", 3/8", 1/2", 5/8", 3/4"
Cone	Eccentrically mounted cone
Power	DC motor
Battery pack	7.4V Li-ion rechargeable

Dimensions	W102 × D101 × H225 mm (H255mm included battery)
Weight	1260g (1380g Battery included)
Set Contents	Cordless flaring tool, Flaring clamps for 1/4" ~ 3/4" O.D. tubes, 7.4V Li-ion battery Pack, Battery charger, Carrying case (W310 × D300 × H125 mm)



LED Light



Battery Indicator



Flaring Clamp

Part No.	Tube O.D.
TA550SF-2	1/4" (6.35mm)
TA550SF-3	3/8" (9.53mm)
TA550SF-4	1/2" (12.7mm)
TA550SF-5	5/8" (19.05mm)
TA550SF-6	3/4" (22.23mm)



Li-ion Battery Pack

Part No.	TA550SF-10-EXP
Voltage	7.4V
Capacity	2.0Ah



Battery Charger

Part No.	TA550SF-20-EXP
Charging Input	AC100~240V 50/60Hz
Charging Voltage	DC8.3V
Charging Current	3.5A

Combination Torque Wrench



Front

Part No.	Length
TA771WT-23	300 mm

- Two roles in one torque wrench
- 17 mm×17.2 N-m
- 22 mm×39.9 N-m
- For mini split A/C (RAC)



Back

TONICHI Torque Wrench



TA771B



TA771S-2

Precision Torque Wrench

Part No.	Flare Nut	Wrench Size (mm)	Torque N-m	Length (mm)	Compatibility
TA771B	1/4"	17	17.2	220	R410A, R32, R22, R407C, R404A & etc.
TA771H	3/8"	22	39.9	265	
TA771L	1/2"	24	53.9	265	
TA771R	5/8"	27	75.0	335	R22, R407C, R404A & etc.
TA771S	3/4"	36	110.0	403	R410A, R32, R22, R407C, R404A & etc.
TA771S-2	3/4" Tube Wall thickness: 1.2mm	36	120.0	403	

R410A R32



TA771L-2

Precision Torque Wrench for R410A/R32

Part No.	Flare Nut	Wrench Size (mm)	Torque N-m	Length (mm)	Compatibility
TA771L-2	1/2"	26	53.9	265	R410A & R32
TA771R-2	5/8"	29	75.0	335	

R410A R32



Precision Torque Wrench Kit (For 1/4" and 3/8")

Part No.
TA771BH

- Set contents:
- TA771B×1 1/4" (17mm×17.2N-m)
 - TA771H×1 3/8" (22mm×39.9N-m)
 - TA771CS-5 (Carrying case)



Precision Torque Wrench Kit (For 1/2" and 5/8")

Part No.
TA771LR-3

- Set contents:
- TA771L-2×1 1/2" (26mm×53.9N-m)
 - TA771R-2×1 5/8" (29mm×75.0N-m)
 - TA771CS-6 (Carrying case)
 - For R410A/R32 system

R410A R32



Precision Torque Wrench Kit (For 1/4", 3/8" & 1/2")

Part No.
TA771FC

- Set contents:
- TA771B×1 1/4" (17mm×17.2N-m)
 - TA771H×1 3/8" (22mm×39.9N-m)
 - TA771L-2×1 1/2" (26mm×53.9N-m)
 - TA771R-2×1 5/8" (29mm×75.0N-m)
 - TA771CS-6 (Carrying case)
 - For R410A/R32 system



Adjustable Torque Wrench

Part No.	Length (mm)	Weight (g)
TA771MT-EXP	370	1,500

Flare Nut	Nut Size (mm)	Torque N-m
1/4"	17	18±2
3/8"	22	38±4
1/2"	24 or 26	55±6
5/8"	27 or 29	75±7

Good Value Precise Torque Wrenches



Precision Torque Wrench

Part No.	Flare Nut	Wrench Size (mm)	Torque N-m	Length (mm)
TA771ST-2	1/4"	17	17.2	220
TA771ST-3	3/8"	22	39.9	230
TA771ST-4	1/2"	26	53.9	285
TA771ST-5	5/8"	29	75.0	295

Precision Torque Wrench Kit (For 1/4" and 3/8")

Part No.
TA771ST-23S

Set contents:
 •TA771ST-2×1 1/4" (17mm×17.2N-m)
 •TA771ST-3×1 3/8" (22mm×39.9N-m)
 •TA771CS-5 (Carrying case)

TA771ST-2 (1/4") and TA771ST-3 (3/8") are not only for R410A/R32 but R22, R407C, R404A, etc.
 TA771ST-4 and TA771ST-5 are for R410A/R32 system.



Torque Wrench Tester

Part No.	
TA419TQ	
Socket Size	25.4mm
Sensor Range	10~200Nm
1digit	0.1Nm
Reset	Manual 0.0 sec. / Auto (1, 2, 4, 8 sec.)
Operating Temp.	5~40°C No condensation
Power Supply	100~240V 50 / 60Hz
Size/Weight	W205×D173×H85mm / 2.6kg
Set Contents	AC Adapter, Hex Adapter × 1 (36mm), Multi Adapter × 1 (17, 22, 26, 29mm), Downsize Adapter × 3 (Socket: 6.35, 9.5, 12.7mm), Fixing Bolt & Nut (4 sets)



Two stage lever handle

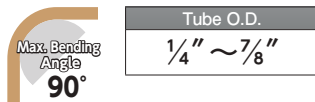


Lever Bender

Part No.	Tube O.D.	Radius	Length
TA540B-3	3/8"	23.8mm	360mm
TA540B-4	1/2"	38.1mm	460mm
TA540B-5	5/8"	57.2mm	690mm
TA540B-6	3/4"	76.2mm	795mm
TA540B-7	7/8"	82.6mm	805mm

Ratchet Type Tube Bender

Ratchet handle bender including reverse bending adapters



- For soft copper and aluminum tube
- Forward or reverse bends from 0° to 90°
- Quick change bending formers and guides
- Includes reverse adapters

Ratchet Tube Bender Set

Part No.	TA512PR
Tube O.D.	1/4" to 7/8" soft copper tubes
Length	340mm
Weight	4.1kg
Contents of Set	•Main body •Reverse adapters •Formers (1/4", 5/16", 3/8", 1/2", 5/8", 3/4", 7/8") •Guide arms (1/4" ~ 5/8") •Guide arms (3/4" ~ 7/8")



Includes carrying case

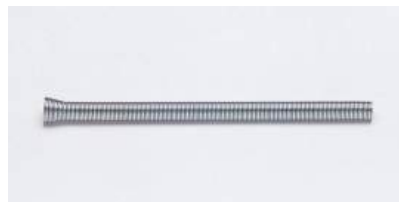
Spring Type Tube Benders



Spring Bender Kit

Part No.
TA510

- For hand bend tubing
- Set contains: Spring benders for 1/4", 3/8", 1/2", 5/8", 3/4" O.D. copper tubes



Spring Bender

Part No.	Tube O.D.	Length
TA510-2	1/4" (6.35)	255mm
TA510-3	3/8" (9.53)	255mm
TA510-4	1/2" (12.70)	300mm
TA510-5	5/8" (15.88)	350mm
TA510-6	3/4" (19.05)	350mm

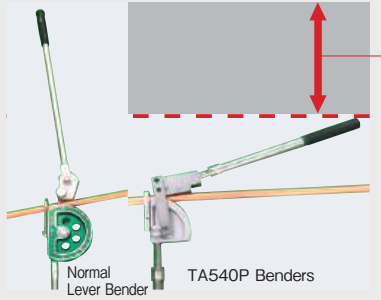


Spring Bender for Insulated Copper Tubes

Part No.	Tube O.D.
TA510L-2	1/4" (6.35mm)
TA510L-3	3/8" (9.53mm)
TA510L-4	1/2" (12.70mm)
TA510L-5	5/8" (15.88mm)
TA510L-6	3/4" (19.05mm)

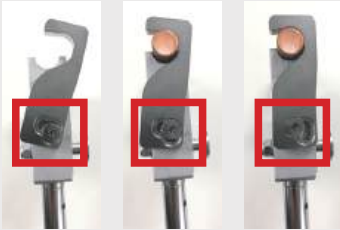
- Length: 2.6m
- Enable to bend without removal of insulation
- Insert spring bender into tube and bend.
- Pull spring bender out while turning it counterclockwise after bending the tube.
- Hand bend insulated tube without collapsing walls of tubes.

Detachable Lever Handle



Normal Lever Bender TA540P Benders
Enable to work in limited spaces.

2 Stage Hook



Allows bending near the wall

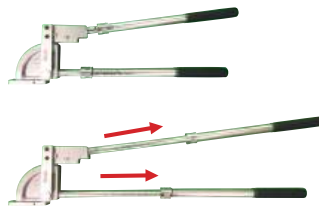


Drop Prevention Lever Handle

Suitable for bending tubes near wall or sealing.



Detachable lever handles



Features telescopic handles



Rollers in bending handle reduce friction.

Detachable Lever Bender

Part No.	Tube O.D.	Radius	Length
TA540P-4	1/2"	38mm	405~575mm
TA540P-5	5/8"	57mm	430~600mm
TA540P-6	3/4"	76mm	620~850mm
TA540P-7	7/8"	85mm	635~865mm

- Up to 90° bending
- For soft copper tubes

TUBE BENDERS

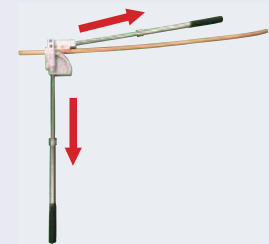
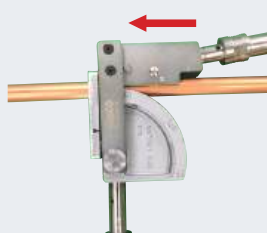
How to use



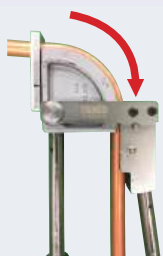
Position tubing in groove and engage with hook.



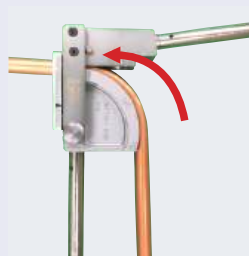
Set lever guide handle on wheel handle.



Adjust the length of the handles to suit the workplace.



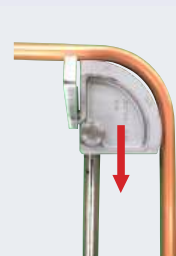
Bring guide handle down to bend 90°.



Lift guide handle up.



Remove hook from copper tube.



Remove tube from wheel handle.

Simple and easy to carry



Easy to set up and carry.



Suitable for working in the job field.



Everything can be stored in the carrying bag.

Easy bending for large O.D. tubes Easy to carry and assemble



Tube O.D.
7/8" · 1" · 1 1/8"

Radius
R=4D
4 times larger of tube diameter

Bend Up to
180°



Gear Type Tube Bender

Part No.	TA515M-S1
Tubes	For Soft and Hard copper tubes
Radius	R=4D
Bend up to	180°
Length of Tripod / Weight	Min. 550 mm ~ Max. 790mm / 6.9kg
Weight of Former 7/8"	4.5kg
Weight of Former 1"	5.0kg
Weight of Former 1-1/8"	5.4kg
Dimensions of Carrying Case	W670×D330×H300
Ratchet Wrench	Length: 420~660mm Drive Angle: 1/2 square with 17mm socket
Set contents	Bender former and guide: 7/8", 1", 1-1/8", Tripod, Ratchet wrench, Carrying bag

OPTIONS



Set of Bender Former and Guide

Part No.	Tube O.D.	MAX Tube Wall Thickness w/ Ratchet wrench	w/ TA515M-D	Radius
TA515M-7	7/8"	1.00	1.20	88.9mm
TA515M-8	1"	1.00	1.35	101.6mm
TA515M-9	1 1/8"	1.00	1.55	114.3mm
TA515M-10	1 1/4"	1.10	1.70	127.0mm
TA515M-11	1 3/8"	1.10	1.85	139.7mm
TA515M-12	1 1/2"	1.35	2.00	152.4mm

Use with your own impact or drill driver



Adapter for Impact or Drill Driver

Part No.
TA515M-D

- Can be used with an impact driver of 45N-m or more
- Included 17mm socket for use of drill driver
- Reference time of 90° bending 10 sec.(7/8"), 13 sec.(1"), 15 sec.(1-1/8"), 23 sec.(1-1/4"), 46 sec.(1-1/2")
- Including a drive socket for impact driver
- Quicker bending than using a ratchet wrench



Tripod

Part No.
TA515M-T

- Length : 550~790mm
- Weight : 6.9kg



1/2" Telescopic Ratchet Wrench

Part No.
TA515M-W

- Length: 420~660mm
- Weight: 1.3kg
- 1/2" (12.7mm) Drive
- Includes TA515M-WS

17mm Socket

Part No.
TA515M-WS



Carrying bag

Part No.
TA515M-B

- Dimensions : W670×D330×H300mm
- Weight : 3.0kg

Beautiful Finish, Manual bending machine



Bend Up to 180°

Radius R=4D

Radius R=3D

	Tube O.D.
4D	1/2" ~ 1 3/4" 12.70 ~ 44.45mm
3D	7/8" ~ 1 5/8" 22.23 ~ 41.28mm

MAX Tube Wall Thickness 2.3mm

Manual Bending Machine with Tripod

Part No.	TA515
Tubes	For Soft and Hard copper tubes
Radius	R=4D, 4 times larger of tube O.D. R=3D, 3 times larger of tube O.D.
Max. Bending Angle	180°
Dimensions / Weight	410×140×220mm/18kg
Contents:	Main body, Handle, Tripod (TA515-1)

Former and Guide are not included.

Easy, Electric Bending Machine



Bend Up to 180°

Radius R=4D

Radius R=3D

	Tube O.D.
4D	1/2" ~ 1 3/4" 12.70 ~ 44.45mm
3D	7/8" ~ 1 5/8" 22.23 ~ 41.28mm

MAX Tube Wall Thickness 2.3mm

Electric Bending Machine

Part No.	TA515E-220
Tubes	For Soft and Hard copper tubes
Radius	R=4D, 4 times larger of tube O.D. R=3D, 3 times larger of tube O.D.
Max. Bending Angle	180°
Dimensions / Weight	450×150×220mm/33kg
Voltage	220~240V/50Hz
Motor	900W/5A

Former and Guide are not included. Tripod is not included.

Mini Manual Tube Bending Machine

For Soft & Hard Copper Tubes

Downsized Bending Machine for 1/2" to 1-1/4" O.D. Copper Tube



Bend Up to 180°

Radius R=4D

	Tube O.D.
	1/2" ~ 1 1/4" 12.70 ~ 31.75mm

MAX Tube Wall Thickness 1.55mm

Manual Tube Bending Machine

Part No.	TA515MB
Tubes	For Soft and Hard copper tubes
Tube O.D.	1/2" ~ 1 1/4"
Radius	R=4D, 4 times larger of tube O.D.
Max. Bending Angle	180°
Dimensions / Weight	155×270×125mm/7.0kg
Set contents	Main body, Handle, Clamp for table

Former and Guide are not included.

Options for Tube Bending Machines



Tube Supporting Tripod

Part No.	TA515PY
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Options for Tube Bending Machines



Tripod

Part No.	Model	Length	Weight
TA515E-1	TA515- TA515E-220	740mm	9.6kg
TA515E-1S		862mm (TA515E-75)	10.2kg
TA515MB-D	TA515MB	740mm	9.1kg



Caster(3PCS/set)

Part No.
TA515E-75

Bending Former & Guide for TA515, TA515E-220



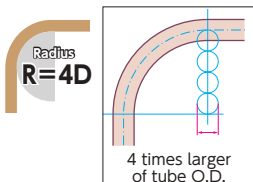
Bending Former

Tube O.D.	Part No.	R=4D	Part No.	R=3D
1/2" (12.70)	TA515-4K	50.8	—	—
5/8" (15.88)	TA515-5K	63.5	—	—
3/4" (19.05)	TA515-6K	76.2	—	—
7/8" (22.23)	TA515-7K	88.8	TA515-7J	66.66
1" (25.40)	TA515-8K	101.6	TA515-8J	76.2
1 1/8" (28.58)	TA515-9K	114.3	TA515-9J	85.7
1 1/4" (31.75)	TA515-10K	127	TA515-10J	95.2
1 3/8" (34.93)	TA515-11K	139.7	TA515-11J	104.7
1 1/2" (38.10)	TA515-12K	152.4	TA515-12J	114.3
1 5/8" (41.28)	TA515-13K	165.1	TA515-13J	123.8
1 3/4" (44.45)	TA515-14K	177.8	—	—

Bending Guide (R=4D/3D common use)

Part No.	Tube O.D.	Guide
TA515-34S	3/8", 1/2"	Double-sided
TA515-56S	5/8", 3/4"	
TA515-78S	7/8", 1"	
TA515-103S	1 1/8", 1 3/8"	
TA515-204S	1 1/4", 1 1/2"	Single-sided
TA515-305S	1 5/8"	
TA515-306S	1 3/4"	

Bending Former & Guide for TA515MB



Bending Former for TA515MB

Part No.	Tube O.D.	Radius
TA515MB-4	1/2" (12.70)	50.8
TA515MB-5	5/8" (15.88)	63.5
TA515MB-6	3/4" (19.05)	76.2
TA515MB-7	7/8" (22.23)	88.8
TA515MB-8	1" (25.40)	101.6
TA515MB-9	1 1/8" (28.58)	114.3
TA515MB-10	1 1/4" (31.75)	127

Bending Guide for TA515MB

Part No.	Tube O.D.	Guide
TA515MB-45S	1/2", 5/8"	Double-sided
TA515MB-67S	3/4", 7/8"	
TA515MB-80S	1"	Single-sided
TA515MB-801S	1 1/8"	
TA515MB-802S	1 1/4"	

Including heads for 3/8", 1/2", 5/8", 3/4", 1"

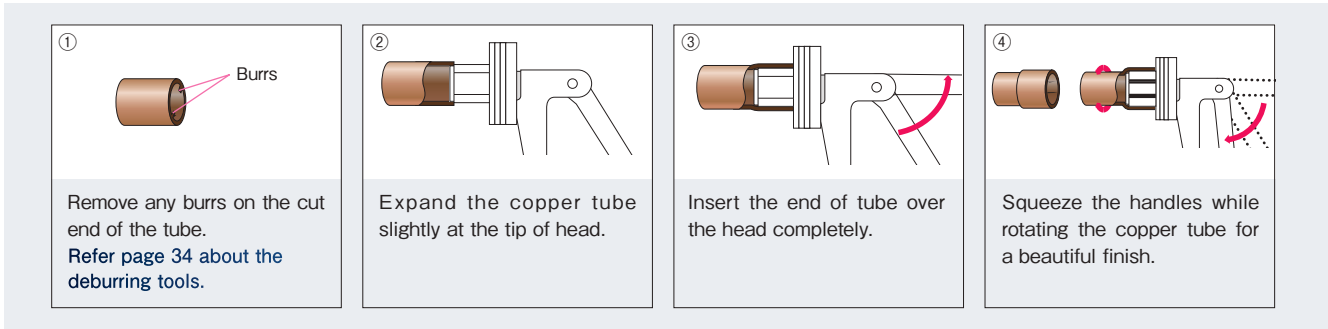


Tube O.D.
 1/4" ~ 2 1/8" 6.35 ~ 53.98mm
 Optional Expander Heads Available

Lightweight Expander Kit

Part No.
TA525PA

- Only 850g, aluminum body with durable grip handle.
- 6 heads for expanding 3/8", 1/4", 5/8", 3/4", 7/8", 1" O.D. soft copper tubes
- Includes a deburring tool.
- All are in a rugged carrying case.



Easy expanding with hydraulic power.
 Suitable for using in narrow places.

Expandable up to 2-1/8" (53.98mm O.D)

Including heads for 3/8", 1/2", 5/8", 3/4", 1"

Tube O.D.
 1/4" ~ 2 1/8" 6.35 ~ 53.98mm
 Optional Expander Heads Available

Hydraulic



Hydraulic Expander Kit

Part No.	TA525PM
For	3/8", 1/2", 5/8", 3/4", 1" Soft copper tube
Dimensions	L205×W45×H165mm
Weight	960g
Set contents	Hydraulic expander handle, Heads: 3/8", 1/2", 5/8", 3/4", 1", Deburring & reaming tool, Deburring scraper



Tube Expander Heads



Expander Heads

For TA525PA, TA525PM, TA525EH-220P

Part No.	Tube O.D.	Part No.	Tube O.D.	Part No.	Tube O.D.
TA525-2	1/4"	TA525-7	7/8"	TA525-12	1 1/2"
TA525-3	3/8"	TA525-8	1"	TA525-13	1 5/8"
TA525-4	1/2"	TA525-9	1 1/8"	TA525-14	1 3/4"
TA525-5	5/8"	TA525-10	1 1/4"	TA525-15	2"
TA525-6	3/4"	TA525-11	1 3/8"	TA525-16	2 1/8"



Max. Pressure	Max. Water Supply
507 psi	2.9 ℓ/min. (50Hz)



Air-Con Cleaning Unit (Water Transfer Pump)

Part No.	TA352MS-EXP
Max. Pressure	507psi
Max. Water Supply	2.9ℓ/min(50Hz) 3.5ℓ/min(60Hz)
Voltage	220~240V
Dimensions / Weight	W260×D270×H210mm/8.0kg
Set contents	Water pump, Discharge hose (10M), Suction hose (1.8M), Spill hose (1.8M), Strainer, Spray nozzle, Carrying case

- Developed for cleaning air conditioner
- Motor-driven, easy and quiet operation
- Enable to be used for disinfection work because the stainless steel is used for the joint parts.
- Easy to adjust the discharge pressure with a dial knob



Max. Pressure	Max. Water Supply
507 psi	5.8 ℓ/min.

Air-Con Cleaning Unit (Water Transfer Pump)

Part No.	TA352MT-EXP
Max. Pressure	507psi
Max. Water Supply	5.8ℓ/min(50Hz) 7.0ℓ/min(60Hz)
Voltage	220~240V
Dimensions / Weight	W340×D290×H220mm/15.4kg
Set contents	Water pump, Discharge hose (10M), Suction hose (1.8M), Spill hose (1.8M), Strainer, Spray nozzle



Max. Pressure	Max. Water Supply	Li-ion Battery	
290 psi	2.2 ℓ/min.	18 V	

Battery Operated Air-con Cleaning Unit

Part No.	TA351BC
Battery	18V 5.0Ah Li-ion Battery Pack
Max. Pressure	290psi
Max. Water Supply	2.2ℓ / min.
Dimensions / Weight	W290 × D360 × H455mm / 5.0kg
Set contents	Water Pump, Nozzle, Lever Handle type2 (G1/4) Shoulder Strap, Spare Tank, Bracket Hose, Charger (100-240V/50-60Hz), Instruction Manual, Battery

⊕ OPTIONS Accessories for TA352MS-EXP/TA352MT-EXP/TA351BC



Descriptions	Part No.	TA352MS-EXP	TA352MT-EXP	TA351BC
Movable Spray Nozzle	⇒	TA352MS-1		TA351BC-1
Movable Tip	TA352MS-8	○	○	×
Nozzle Extension 150mm	TA352MS-2	○	○	○
Nozzle Extension 200mm	TA352MS-3	○	○	○
Spray Gun	TA352MS-4	○	○	○
Quick Connect Coupler	TA352MS-6	○	○	○
Ball Valve	TA352MS-5	○	○	○
5M Discharge Hose	TA351SB-5	○	○	○
10M Discharge Hose	TA351SB-10	○	○	○
20M Discharge Hose	TA351SB-20	○	○	○
Flexible Nozzle Extension	TA352MS-7	○	○	○
Padded Dual Shoulder Strap	TA351BA-B	×	×	○

A/C Cleaning Accessories



SCAN ME



Cleaning Cover Waterproof for Split A/C

Part No.	For	Dimensions
TA918A-1	Small Split A/C	880×400×400mm
TA918A-2	Medium Split A/C	1100×450×450mm
TA918A-3	Large Split A/C	1500×450×450mm
TA918A-4	X-Large Split A/C	1800×450×450mm

- Easy installation with rubber band (TA918A-1, 2) or cord (TA918A-3, 4)
- Use 2 or more supporting bars, TA918A-10, for installation.



Cleaning Cover Waterproof for Ceiling A/C with Drain Hose

Part No.	Dimensions
TA918CA-2L	900×250×200mm

- Fiber Reinforced Plastic Sheets
- No Top & Front Covers for easy Operation



ABUYUTORI 1kg (Powder Detergent)

Part No.
TA915AY-EXP

- Mild Alkaline Detergent. Harmless to aluminum fin.
- No unpleasant odor & skins safe.
- pH level of the detergent is similar with dishwashing soap, you can simply discharge the sewage without additional treatment.



SCAN ME



Cleaning Cover Waterproof for Ceiling A/C

Part No.	For	Dimensions
TA918B-1	Small Ceiling A/C	900×900mm
TA918B-2	Medium Ceiling A/C	800×1250mm
TA918B-3	Large Ceiling A/C	800×1600mm
TA918B-4	X-Large Split A/C	800×1800mm

- Easy installation with rubber hooks



Supporting Bar

Part No.	QTY
TA918A-10	1

- Use 2 or more TA918A-10 according to the size of air-con cleaning cover. Cannot be used unless there is a gap between the air conditioner and the wall.

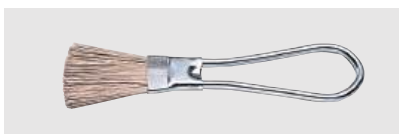
EXTENSION BAR for SUPPORTING BAR TA918A-10

Part No.	QTY
TA918A-11	1

- Length: 330mm
- Enable to hang A/C cleaning cover firmly.



Fin Brush & Straightener / Drain Suction Pump



Fin Brush

Part No.
TA505SB

- Brush is made of stainless wires.
- For cleaning fins of air conditioners and refrigerators



Fin Straightener

Part No.	Length
TA505C	150mm

- Made of stainless
- Straightening condenser and evaporator fins easily. Also cleans away rust, dirt and other debris.



Flat Nose Plier

Part No.	Length
TA746TA	160mm

- For straightening condenser and evaporator fins



Tip



Suction Cleaner

Part No.
TA918SX

- For 13mm to 25mm I.D. drain pipes or hoses
- Includes straight nozzle and elbow nozzle

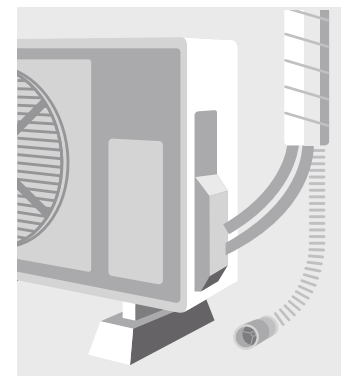


SCAN ME



Insect Filter for Drain Hose

Part No.	QTY
TA975BZ	2



The Best Selling Thermometer in HVAC&R Industry in Japan

High-precision, high-speed response thermometer



- Features: Hold...◇Hold, ◇Max./Min. Hold, ◇Avg. Hold
- Resolution switching...automatic (0.1°C or 1°C)
- Large, highly visible LCD...Character size 12mm (H)
- Sampling speed...3 times / sec.
- Controls...3 button keypad
- Battery...9V (006P) Alkaline Battery



Digital Thermometer (K type thermocouple)

Part No.	TA410-110	
Temperature Range	-99.9~+1,200°C	
Batteries	9V (006P) Alkaline battery	
Battery Life	100 hours and more	
Operating Temperature / Humidity Range	5~40°C, 20~85%RH (No condensing)	
Storage Temperature / Humidity Range	0~50°C, 20~85%RH (No condensing)	
Dimensions	42×187×24mm	
Weight	174g	

Resolution	0.1°C	1°C
Temperature Range	-99.9~+199.9°C	+200~+1200°C
Accuracy	±0.5% of rdg ±1dig.(Min)	±0.3% of rdg ±1dig.(Min)

Cannot be used by the thermometer itself. Use with sensors on page 51 or 52.



High Precision, Hi-Speed Response

Response time: **1.8 sec.** (i.g. iron surface)
(25-100°C)

Variety of sensors

Can choose the sensors according to the applications

Extension Cable

When the extension cable is connected, the sensor and the thermometer can be used separately. It is suitable for many occasions such as measuring in tight or high places.

Large, Highly Visible LCD

Large and easy-to-read display for quick and easy check



Useful Features

- MODE** Changes from normal measurement display to maximum→minimum→average value.
- HOLD** Holds the value on display or select the mode.
- POWER** Turns unit on or off.

Auto Power Off

Display will turn off after 10 minutes of inactivity.

Easy to use and simple design

Offers convenient one-hand operation



Water-resistant thermometer

Suitable for Measuring Temperature of Air Vent

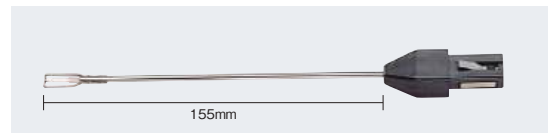
Telescopic sensor, Enable to extend out to 110cm



Telescopic Air Sensor

Part No.	Temperature Range
TA410-3DX	-50~+200°C

- Folded Length : 23cm ■ Extended Length : 110cm
- Length of cable : 140cm



Air Sensor

Part No.	Temperature Range
TA410-3	-50~+200°C

Not extendable

○Since the sensor filament is exposed, performs quick measurement and is highly accurate.

Thermometer Kits for HVAC&R Industry



Thermometer Kits

Part No.	TA410AX	TA410BX
Contents	<p>Air sensor Surface sensor</p>	<p>Telescopic air sensor Surface sensor</p>
Temperature Range	-50~200°C	
Carrying Case	Dimensions: W305 × D135 × H77 (TA410AB-30)	

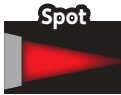
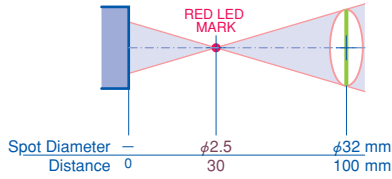
Sensors for Digital Thermometer (with TASCO Plug)

Sensors with Tasco Plug (K Type Sensor)

Applications	Part No.	Figure	Sensor Tip	Features
Surface Temp.	TA410-1	<p>■ Temperature Range: -50~+200°C</p>		Enable to measure accurate surface temperature because the built-in spring applies a certain amount of elastic to the sensor. The surface of the sensor has excellent durability and long life.
	TA410-11	<p>■ Temperature Range: -65~+500°C</p>		
Sheathed Thermocouple	TA410-15B	<p>■ Temperature Range: -100~+600°C</p> <p>Cord = 4 φ mm × 1000mm</p>		<p>Enable to bend the sensor freely. Allows temperature measurement of bent tubes.</p>
Internal Temp.	TA410-2-250	<p>■ Temperature Range: -100~+500°C</p>		Temperature measurement of powders, soil, liquid
	TA410-2	<p>■ Temperature Range: -100~+500°C</p>		
Air Temp.	TA410-3DX	<p>■ Temperature Range: -50~+200°C</p> <p>■ Length of cord: 140cm</p> <p>■ Telescopic (Folded Length: 23cm, Extended Length: 110cm)</p>		Proper to measure air vent of A/C. Since the sensor filament is exposed, it is quick to measure and highly accurate.
	TA410-3	<p>■ Temperature Range: -50~+200°C</p>	<p>Sensor filament</p>	Not extendable
Soldering Iron Temp.	TA410-9	<p>■ Temperature Range: Room Temp.~+500°C</p>		Measures temperature of tip of soldering iron
Extension Cable	TA410-4	<p>Height: 20mm</p> <p>36mm</p> <p>70mm</p> <p>Length of cord: 4mm φ × 1m</p>		Suitable for measuring at tight, high places, or places of high temperature.
Heat-resistant tape	TA410-8T	<p>25mm × 10m</p>		Heat-resistant temperature: 250°C

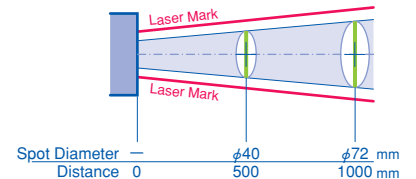
Easy measurement from a point to a surface

Measures temperature from -50°C to 500°C



Infrared Thermometer with 2-Points Lasers

Measures temperature from -50°C to 500°C



- Measurement of a small surface such as an IC board (φ2.5mm)
- Suitable for measuring small objects at hand.
- LED accurately represents the object being measured.

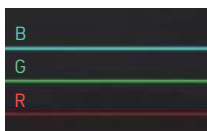
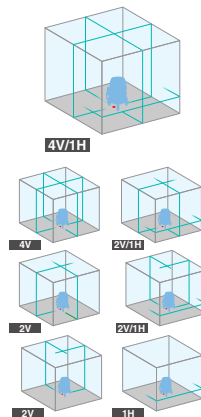
- Features high-resolution optics for measuring in hard-to-reach situations
- 2 lasers accurately represents the object being measured.

Non-contact Infrared Thermometer

Part No.	TA410S	TA410N	TA410NH
Spectral response		8~14μm	
IR Temperature Range	-50~+500°C		-50~+1000°C
Display Resolution	0.0~+199.9°C: 0.1°C Rest: 1°C		
Accuracy	-50~0°C: ≤5% + 1.5°C, 0~199.9°C: ±1°C, 200~1000°C: ≤0.5% + 0.5°C		
Response Time	≤ 0.8 sec.		
Emissivity	0.10~1.00		
Laser Sighting	Spot	2 Lasers	
Operating Temperature / Humidity	0~50°C / 35~85% (Non condensing)		
Power	4×AAA batteries		
Dimensions / Weight	170×40×36mm/140g		
Features	High and low alarm, Max. and Min. temperature display, Last reading hold, Auto-off		
Accessory	Carrying case		

THERMOMETERS & LASER LEVEL

Laser Level



Line Laser Level

Part No.
TA493BE

- Light source ... Semiconductor Laser
- Laser Output ... Max. 5mW
- Line Width ... 4mm/10m or less
- Line Projection Angle ... Vertical: 130° / Horizontal: 120°
- Line Mode ... Horizontal / Vertical
- Memory Function ... ON/OFF
- Self-Levelling Range ... ±4°
- Accuracy ... Horizontal/Vertical: ±1mm/10m 90° Angle ±0.01°
- Operating Temperature ... -5~40°C
- Dimensions/Weight ... Φ100mm×220mm/1.2kg (Batteries inclusive)
- Mounting Screw ... W5/8
- Power Supply ... AA alkaline (LR6/1.5V) batteries×4
Li-ion Battery, AC100-240V(50/60Hz)



Trigger Start Torch with 1.5m Hose

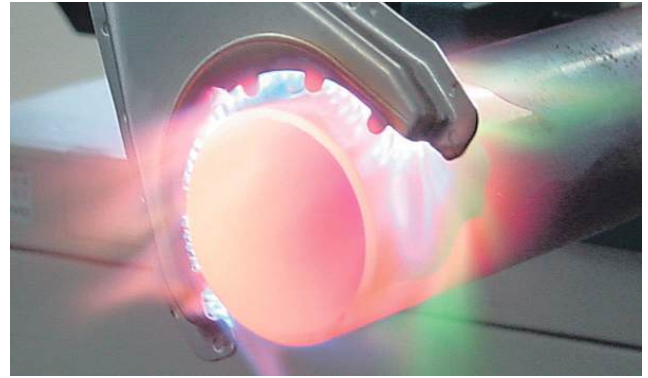
Part No.

TA379MP-5H

- Hose Length 1.5m
- For 1"-20UNF Propylene Cylinder

Propylene Cylinder

Sold Separately



Nozzle for Large Round Flame

Part No.

TA379MP-5RD

- For TA379MP-5H (Propylene Torch)
- Copper Pipe (MAX. 1 1/2")



Nozzle for Small Round Flame

Part No.

TA379MP-5R

- For TA379MP-5H (Propylene Torch)
- Copper Pipe (MAX. 7/8")

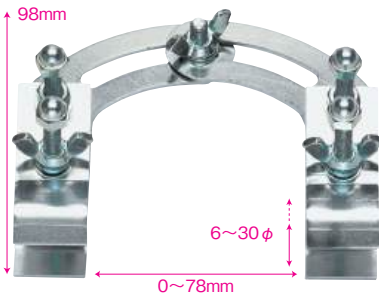


Propane Gas Torch with Trigger for Round Flame

Part No.

TA379G-EXP

- For M11P1.0 Propane Cylinder
- Copper Pipe (MAX. 7/8")



Tube Size

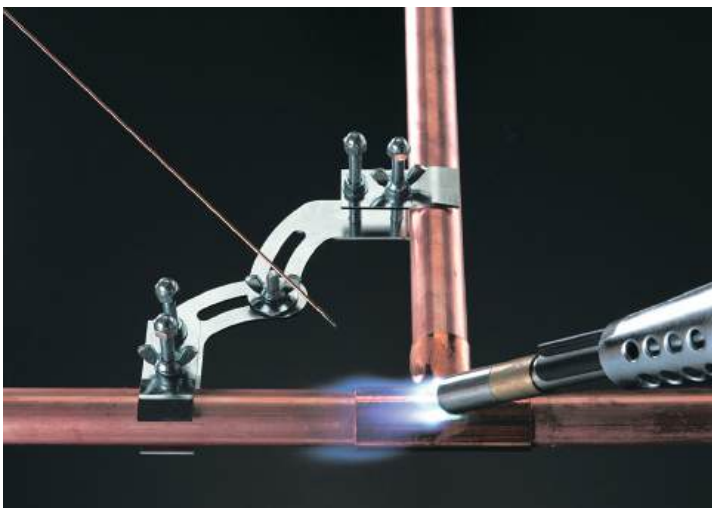
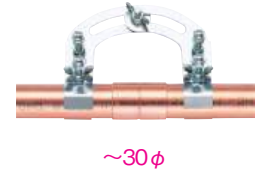
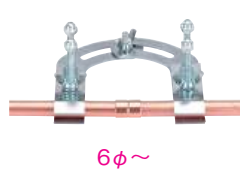
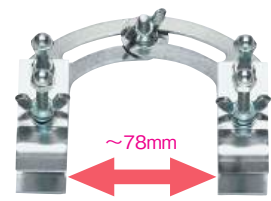
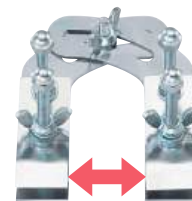
1/4" ~ 1 1/8"

Pipe Welding Holder

Part No.

TA375SS-30

ADJUSTABLE



True RMS, Compact Digital Multimeter



True RMS

Digital Multimeter

Part No.	TA452TR
DCV	600.0mV/6.000/60.00/600.0V (Input impedance: approx. 10MΩ) ±0.8%rdg ±5dgt (600.0mV/6.000/60.00V) ±1.0%rdg ±5dgt (600.0V)
ACV	600.0mV/6.000/60.00/600.0V (Input impedance: approx. 10MΩ) ±1.3%rdg±5dgt (6.000/60.00V) (50/60Hz) ±1.7%rdg±5dgt (6.000/60.00V) (45 - 500Hz) ±1.6%rdg±5dgt (600.0V) (50/60Hz) ±2.0%rdg±5dgt (600.0V) (45 - 500Hz)
Ω	600.0Ω/6.000/60.00/600.0kΩ/6.000/40.00MΩ ±1.0%rdg±5dgt (600.0Ω/6.000/60.00kΩ/6.000MΩ) ±2.5%rdg±5dgt (40.00MΩ)
Continuity Buzzer	600.0Ω (Buzzer threshold value 60Ω or less)
Capacitance	6.000/60.00/600.0nF/6.000/60.00/600.0μF ±3.5%rdg±50dgt (6.000nF) ±3.5%rdg±10dgt (60.00nF) ±3.5%rdg±5dgt (600.0nF/6.000/60.00μF) ±4.5%rdg±5dgt (600.0μF)
Battery	1 × CR2032
Dimensions / Weight	L126 × W85 × D18 mm / 135g

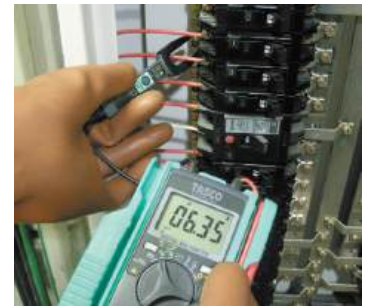
Digital Multimeter with Clamp Sensor



True RMS

Digital Multimeter with AC/DC Clamp Sensor

Part No.	TA452TM
DC V	600.0mV/6.000/60.00/600.0V AC V
AC V	6.000/60.00/600.0V
DC A	60.00/120.0A
AC A	60.00/120.0A
Ω	600.0Ω/6.000/60.00/600.0kΩ/6.000/60.00MΩ
Continuity Buzzer	Buzzer sounds below 35±25Ω
Diode Test	2.000V±3.0%rdg±5dgt Open-loop voltage: approx. 2.7V
Capacitance	400.0nF/4.000/40.00μF (AC A) 99.99/400.0Hz
Frequency	(AC V) 99.99/999.9Hz/9.999/99.99/300.0kHz Current: more than 6A, Voltage: more than 6V(-10kHz) / more than 20V(10k-300kHz)
Conductor Size	Ø12mm max
Battery	2 × AAA battery
Dimensions / Weight	L128 × W92 × D27 mm / 220g



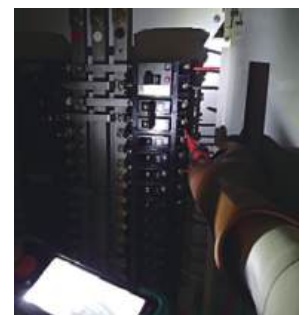
Unique Open Jaw technology for AC/DC current measurements

Insulation Tester

Extremely compact and lightweight design.



Simple scale for easy reading



Automatic sensor turns the illuminated scale and LED spot light ON/OFF, useful in dimly lit location.

Analogue Insulation Tester

Part No.	TA453BT		
Test Voltage	125V	250V	500V
Max. Effective Value	200MΩ		
Mid-Scale Value	5MΩ		
Voltage Measurement	AC 0~600V (45~65Hz) / DC 0~600V		
Battery	4×AA Battery		
Dimensions / Weight	L97×W156×D46mm / 430g		
Includes	Test lead with remote control switch, Test lead with alligator clip, Carrying case, Extension prod long, Shoulder strap		



Carrying Case

Clamp Meter

Suitable for measuring low-voltage circuits

Resolution **0.01A** Conductor ϕ **25 mm**
 AC **A** DC AC **V**



Digital Clamp Meter

Part No.	TA451D-2
AC/A	40/400A
AC/V	400/600V
DC/V	400/600V
Resistance	400Ω
Frequency (A)	20~40k / 10K(Hz)
Frequency (V)	4k / 40k / 400k / 1M(Hz)
Continuity	Buzzer sounds below 40Ω, Open voltage: 1.5V

- Sampling rate : 2 times /sec.
- Operating Temperature/Humidity : 0~40°C / Below 80%RH
- Battery : AAA battery × 2
- Dims./Weight : H93 × W50 × D28mm / 230g
- Includes test leads and a carrying case

The digital clamp meter for Air-con technicians

Resolution **0.01A** Conductor ϕ **30 mm**
 AC **A** DC AC **V**
 True RMS



Digital Clamp Meter

Part No.	TA451D-6-EXP
AC/A	66/660A
AC/V	600V
DC/V	600V
Resistance	660Ω
Frequency (A)	660 / 6.6k / 30k
Frequency (V)	660 / 6.6k / 66k / 100k
Continuity	Buzzer sounds below 30Ω, Open voltage: 1.2V

- Sampling rate : 3 times / sec.
- Operating Temperature/Humidity : 5~40°C / Below 80%RH
- Battery : AAA battery × 2
- Dims./Weight : H208 × W69 × D38mm / 265g
- Includes test leads and a carrying case

Insulation Tester

Easy viewing and readable scale graduation

500V 100MΩ 250V 100MΩ 125V 100MΩ



Analog Insulation Tester

Part No.	TA453PD
MΩ	500V / 100MΩ
	250V / 100MΩ
	125V / 100MΩ
DCV	60V
ACV	600V

- One-shot or continuous measurement push button
- Auto discharge function
- Sampling rate : 3 times /sec.
- Operating Temperature / Humidity : 0~43°C / Below 80%RH
- Battery: DC9V (006P)
- Dims. / Weight : H144 × W99 × D43mm / 310g
- Includes test leads and a carrying case

Phase Indicator

Determines open phase and rotating direction.



3 Phase Indicator

Part No.	TA456KS-EXP
Voltage Range	3 phase AC100V~500V
Frequency	45~70Hz
DCV	AC110V: Continuous
	AC220V: 3hours
	AC480V: 12 minutes
Fuse	0.2A/250V

- Large size alligator clips
- Magnetic backing on main unit for mounting to metal services
- Operating Temperature / Humidity : 0~40°C / Below 80%RH
- Dims./Weight : H102 × W78 × D32.5mm / 212g
- Includes a carrying case



TA415CD

TA415CE

- TA415CD: Quick responding triple range sound level meter with backlit display, analog bargraph and built-in memory to data log up to 64,000 points.
- TA415CE: Triple range type 2 sound level meter with LCD display, on-screen digital analog bargraph and AC/DC output for connection to chart recorders and dataloggers.

Sound Level Meter

Part No.	TA415CD	TA415CE
Measuring Ranges	Low: 30-90dB, Med: 50-110dB, High: 70-130dB, Full: 30-130dB	
Frequency Range	20Hz~8kHz	
Frequency Weighting	A or C	
Microphone	1/2" Electret condenser microphone	
Display	4-digit LCD	
Digital Analog Bargraph	30 Segments, Resolution: 2dB	
Time Weighting	Fast/Slow (125ms and 1s)	
Accuracy	±1.4dB	
Dynamic range	60dB(in each range)	
Alarm Indicator	Under or Over (visual on screen)	
Internal Memory	1MB (64,000 datapoints)	—
Battery	4 × AAA battery	1 × 9V (006P) battery
Battery Life	Approx. 24 hours	Approx. 60 hours
Operating Temperature and Humidity	0~40°C, 10~90%RH	
Storage Temperature and Humidity	-10~60°C, 10~75%RH	
Dimensions / Weight	264 × 63 × 29mm / 250g	258 × 55 × 25mm / 190g
Accessories	Windshield ball, USB cable, PC software, Carrying case	Windshield ball, Carrying case



Inspection for painting

Digital Gloss Meter

Part No.	TA415GD
Measuring Angle	Incident angle: 60°/20°, Acceptance angle: 60°/20°
Measuring area	6 × 3 mm-oval (60°), 4 × 3mm-oval (20°)
Light Source	LED (Wavelength: 890nm)
Receiver	SPD (Silicon Photodiode)
Measuring Range	0~100
Display Range	0~199 (Resolution: 1)
Repeatability	±5%FS±1 digit
Battery	4 × AA Battery
Battery Life	50 hours or more
Dimensions	Main body: 140 × 75 × 34mm, Optical system: 88 × 30 × 45mm
Features	Single-touch calibration, Auto-power off, Hold

- Converts luster into numbers which human beings cannot precisely identify by the eyes.
- Switching function for measuring angle 20° and 60°

Applications

- For plastic: Comparison of the sample of resin products
- For paint, ink: Appearance test and degradation test for painted automobiles, ships, bridges, etc.
- For automobile maintenance: Judgement and quality management of car wax
- For maintenance of building: Appearance test for surface finishing, judgement for cleaning time
- For polishing stone: Judgement of polish processing, checking for quality of stones.
- For papers and printings: Appearance test for surface finishing and quality management
- For quality management of film, nylon, rubber, leather products

Cordless Cooling Fan



Side View



35mm

Cordless Cooling Fan (Working Clothes Sold Separately)

Part No.	TA901CS
Battery	Lithium Battery 4750mAh
Battery Life	9.0h - 6.0h - 4.0h - 2.5h
4-Speed Control	Low(1) - Mid(2) - High(3) - Super(4)
Dimensions	L130×W106×D35mm
Weight	220g/unit(incl. battery)
Contents	Cooling Fan × 2, Removable Battery × 2, USB-C cable × 2



TASCO sells working clothes. Please contact us.

Electric Lifter



Max. Height	Payload
4.0m	120kg

Electric Lifter

Part No.	TA801AF-EXP
Rated Load Weight	120kg
MAX./MIN. Height	4.0 / 1.23m
Dimensions	270×350×1170mm (Folded) 1170×1240×H1230mm (In use, Top Plate included)
Gross Weight	32.5kg
Top Plate SIZE	435×747mm
Top Plate Weight	4.7kg
Lifting Speed	Approx. 48 sec. (Load Weight 100kg up to 4 m)
Rated Voltage	AC220-240V 50Hz 1100W



Speed Controller



Caster for Easy Moving



Handy Air Jack

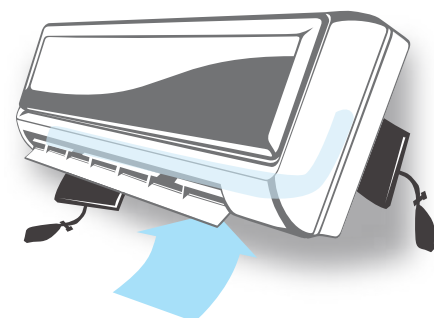
Handy Air Jack

Part No.
TA823WC

Part No.
TA823WD

■ Material...Fiber cloth reinforced TPU

■ Heavy Lifting (up to 100kg) & Small Adjustments (2mm-50mm)



WIND ADJUSTER

Air Conditioner Deflector

Part No.	Color
TA978TA	White

- Dimensions: 520×160×(Max. Height 140mm)
- Adapter: 345×40 mm
- Weight: 330g



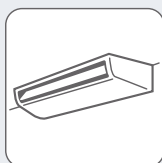
Angle Adjustable



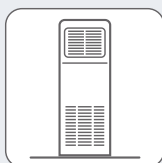
LIFTS & A/C DEFLECTORS



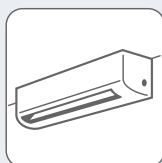
Ceiling A/C



Suspension A/C

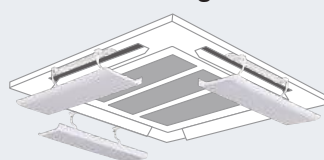


Floor Type A/C

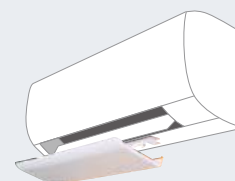


Split A/C

Installation Image



For Ceiling A/C (RAC)



For Split A/C (RAC)

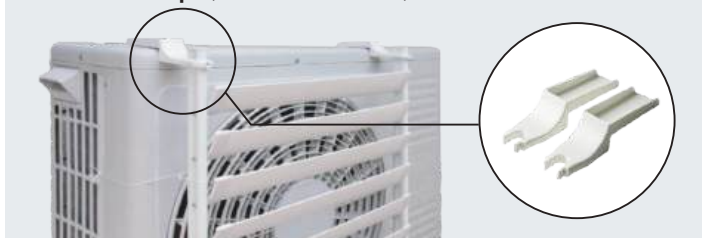
Outdoor Unit Louver



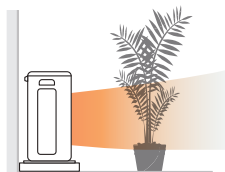
Outdoor Unit Louver

Part No.	Size	Weight
TA979TM	H574×L490×D92~102mm	830g
TA979TL	H574×L550×D92~102mm	900g
TA979SX	W622×D100~111×H774mm	1500g

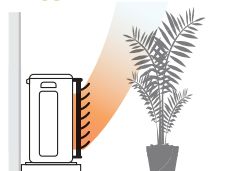
Double-Sided Tape (TA979TM/ TA979TL)



Before



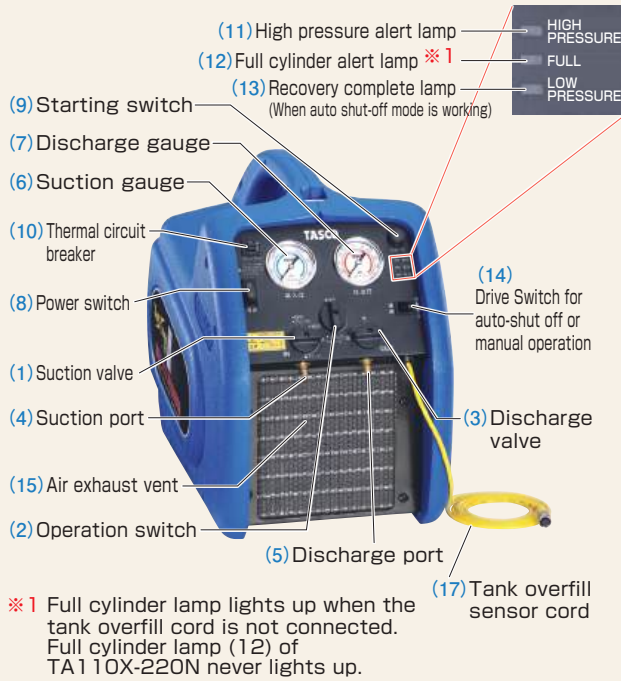
After



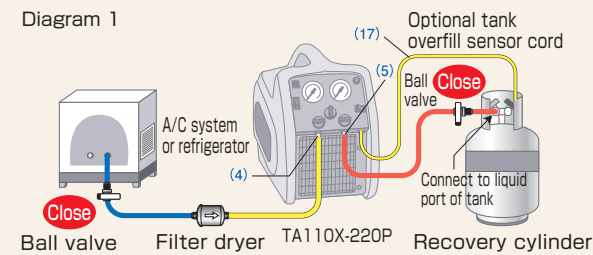
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TA110-12	14	TA133FP	8	TA166HC-1P	9	TA434SC-1	30	TA520CK	34	TA636BD-3	8
TA110-12N	14	TA133Q	8	TA166XA	9	TA451D-2	57	TA520CR-11	34	TA636BD-4	8
TA110-20S	14	TA134AA	7	TA166YA	9	TA451D-6-EXP	57	TA525-2	49	TA636BD-5	8
TA110-20SN	14	TA134AA-1	7	TA166ZA	9	TA452TM	56	TA525-3	49	TA636HA	8
TA110-24	14	TA134AA-2	7	TA173C	15	TA452TR	56	TA525-4	49	TA643AC-10	33
TA110-24N	14	TA134AA-3	7	TA173C-1	15	TA453BT	56	TA525-5	49	TA643TD	33
TA110-100	14	TA134FN	7	TA173C-2	15	TA453PD	57	TA525-6	49	TA643VP	33
TA110-100N	14	TA134FN-1	7	TA200-		TA456KS-EXP	57	TA525-7	49	TA643VP-10	33
TA110-100S	14	TA134FN-2	7	TA200A	10	TA493BE	54	TA525-8	49	TA700-	
TA110-100SN	14	TA134FN-3	7	TA200A-2	10	TA500-		TA525-9	49	TA730SR	40
TA110DB	14	TA135AB	7	TA220C	9	TA504CB	33	TA525-10	49	TA746TA	51
TA110PM	15	TA135AB-1	7	TA220D	9	TA504CB-10	33	TA525-11	49	TA771B	42
TA110V-1	15	TA135AB-2	7	TA220JA-3	9	TA504FG	40	TA525-12	49	TA771BH	42
TA110V-31	15	TA135AB-3	7	TA220JB-3	9	TA504MA	40	TA525-13	49	TA771FC	42
TA110VF-EXP	12	TA135FN	7	TA221	6	TA504SA	32	TA525-14	49	TA771H	42
TA110X-220	13	TA135FN-1	7	TA221A	9	TA504SG	40	TA525-15	49	TA771L	42
TA110X-220P	13	TA135FN-2	7	TA222A	9	TA505C	51	TA525-16	49	TA771L-2	42
TA117-1	18	TA135FN-3	7	TA223F	9	TA505SB	51	TA525PA	49	TA771LR-3	42
TA117-2	18	TA136TA	7	TA223L	10	TA510	44	TA525PM	49	TA771MT-EXP	43
TA117-3	18	TA136TA-2	7	TA225A	10	TA510-2	44	TA530	34	TA771R	42
TA117GL	19	TA136A	8	TA225B	10	TA510-3	44	TA530TA	34	TA771R-2	42
TA120W-1-EXP	5	TA136A-1	8	TA225C	10	TA510-4	44	TA530TA-1	34	TA771S	42
TA120W-2-EXP	5	TA136A-2	8	TA230A	10	TA510-5	44	TA530TA-S	34	TA771S-2	42
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TA122G-2-EXP	4	TA136B-1	8	TA230GC	16	TA510L-3	44	TA540B-3	44	TA771ST-4	43
TA122G-EXP	3	TA136B-2	8	TA282CA-2	13	TA510L-4	44	TA540B-4	44	TA771ST-5	43
TA122GB-1-EXP	4	TA136B-3	8	TA282CA-3	12	TA510L-5	44	TA540B-5	44	TA771ST-23S	43
TA122GB-2-EXP	4	TA136C-1	8	TA300-		TA510L-6	44	TA540B-6	44	TA771WT-23	42
TA122GB-EXP	3	TA136C-2	8	TA351BA-B	50	TA512PR	44	TA540B-7	44	TA800-	
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TA122GBV-2-EXP	4	TA136DA	8	TA351BC-1	50	TA515-4K	48	TA540P-5	45	TA823WC	59
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TA122GV-2-EXP	4	TA136F	7	TA351SB-10	50	TA515-6K	48	TA540P-7	45	TA900-	
TA122ME-1-EXP	4	TA136F-2	7	TA351SB-20	50	TA515-7J	48	TA550A	37	TA901CS	58
TA122ME-2-EXP	4	TA136P	8	TA352MS-1	50	TA515-7K	48	TA550A-1	37	TA903TS-1	17
TA1240BPK	6	TA136P-1	8	TA352MS-2	50	TA515-8J	48	TA550AH	37	TA903TS-5	17
TA140CPK	6	TA140BPK	6	TA352MS-3	50	TA515-8K	48	TA550AH-14	37	TA915AY-EXP	51
TA140GBPK	6	TA140CPK	6	TA352MS-4	50	TA515-9J	48	TA550AH-15	37	TA918A-1	51
TA140GPK	6	TA140HCP-80	6	TA352MS-5	50	TA515-9K	48	TA550CS-2	40	TA918A-2	51
TA140MCPK	6	TA140MCPK	6	TA352MS-6	50	TA515-10J	48	TA550CX	39	TA918A-3	51
TA141BPK	6	TA141CPK	6	TA352MS-7	50	TA515-10K	48	TA550CX-1	40	TA918A-4	51
TA141CPK	6	TA141DPM	25	TA352MS-8	50	TA515-11J	48	TA550CX-AD	39	TA918A-10	51
TA141DPM	25	TA141DZK	6	TA352MS-EXP	50	TA515-11K	48	TA550DB	39	TA918A-11	51
TA141DZK	6	TA141DZP	6	TA352MT-EXP	50	TA515-12J	48	TA550G	38	TA918B-1	51
TA141GPK	6	TA141GPK	6	TA353-400W	17	TA515-12K	48	TA550G-1	40	TA918B-2	51
TA141GPK	6	TA141HCP-80	6	TA375S-30	55	TA515-13J	48	TA550HB	38	TA918B-3	51
TA141HCP-80	6	TA141MEPK	6	TA379G-EXP	55	TA515-13K	48	TA550N-1	40	TA918B-4	51
TA142BHPK	24	TA142BHPK	24	TA379MP-5H	55	TA515-14K	48	TA550NB-1	40	TA918CA-2L	51
TA142BPPK	25	TA142BPPK	25	TA379MP-5R	55	TA515-34S	48	TA550NB-E	38	TA918SX	51
TA142G	25	TA142G	25	TA379MP-5RD	55	TA515-56S	48	TA550SF-2	41	TA920FA	30
TA142GK-EXP	25	TA142GK-EXP	25	TA382KA	10	TA515-78S	48	TA550SF-3	41	TA920FA-12	30
TA142MD	25	TA142MD	25	TA382KA-2	10	TA515-103S	48	TA550SF-4	41	TA969SA-5	14
TA142MK-EXP	25	TA142MK-EXP	25	TA382KF	10	TA515-204S	48	TA550SF-5	41	TA975BZ	51
TA142TV-EXP	24	TA142TV-EXP	24	TA382KH	10	TA515-305S	48	TA550SF-6	41	TA978TA	60
TA142VK-2-EXP	24	TA142VK-2-EXP	24	TA382KJ	10	TA515-306S	48	TA550SF-10-EXP	41	TA979SX	60
TA142XD	25	TA142XD	25	TA382KL	10	TA515E-1	48	TA550SF-20-EXP	41	TA979TL	60
TA142XK-EXP	25	TA142XK-EXP	25	TA382KP	10	TA515E-1S	48	TA550SF-EXP	41	TA979TM	60
TA150CS	24	TA150CS	24	TA400-		TA515E-75	48	TA550WB	39		
TA150CS-21	24	TA150CS-21	24	TA400LD-10	16	TA515E-220	47	TA550Y	38		
TA150CS-24	24	TA150CS-24	24	TA400LD-21	16	TA515M-7	46	TA560A	31		
TA150GL-220	22	TA150GL-220	22	TA400LE	16	TA515M-8	46	TA560A-1	31		
TA150GS	24	TA150GS	24	TA410-1	53	TA515M-9	46	TA560AF-10	31		
TA150PS	24	TA150PS	24	TA410-2	53	TA515M-10	46	TA560AG	32		
TA150SV-EXP	20	TA150SV-EXP	20	TA410-2-250	53	TA515M-11	46	TA560AM-1	31		
TA150SW-EXP	20	TA150SW-EXP	20	TA410-3	52	TA515M-12	46	TA560AS-1	31		
				TA410-3DX	52	TA515M-B	46	TA560BC	31		
						TA515M-D	46	TA560BC-1	31		
						TA515M-S1	46	TA560BM-1	31		
						TA515M-T	46	TA560FD	31		
						TA515M-W	46	TA560FD-1	31		

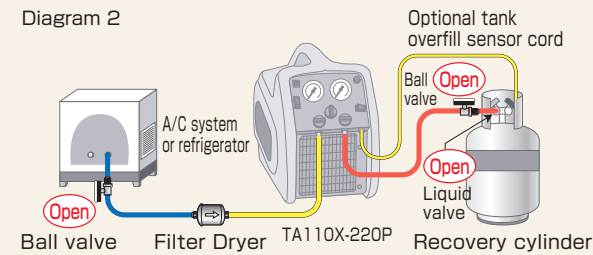
How to use the recovery unit



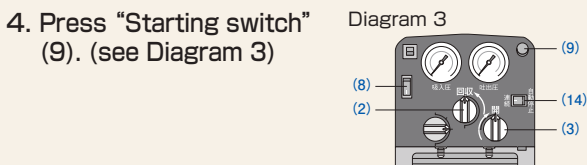
1. Connect recovery unit (see Diagram 1)



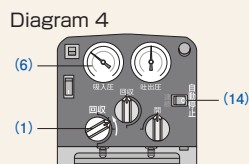
2. Open valves of hoses (see Diagram 2)



3. Make sure the "Drive Switch" is in Manual position (14), turn the knob of "Operation switch" (2) to Recovery, and turn the knob of "Discharge valve" (3) to open. (see Diagram 3)



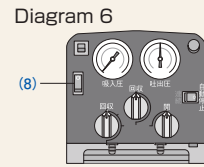
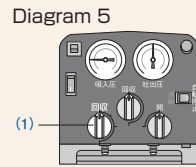
5. Open "Suction valve" (1) slightly. If the compressor makes a slugging noise, adjust knob of "Suction valve" until noise subsides. (see Diagram 4)



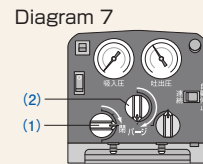
6. Change the "Drive switch" (14) in automatic position. (see Diagram 4)

Recovery unit will run continuously. Open "Suction valve" (1) fully if compressor does not make slugging noise. (see Diagram 5)

When pressure on "Suction gauge" (6) reaches 0 psi, TA110X-220P stops automatically (Auto shut-off mode). (see Diagram 6) Turn "Power switch" (8) off. Leave 5 to 15 minutes. If pressure on "Suction gauge" (6) rises, repeat recovery steps.

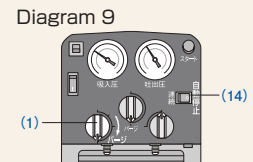
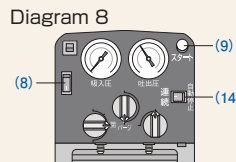


7. After finish recovering refrigerant, close "Suction valve" (1), and turn "Operation switch" (2) to Purge. (see Diagram 7)

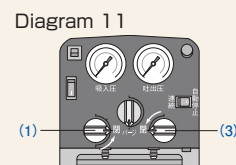
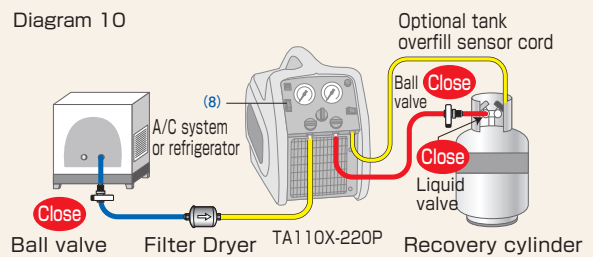


8. Turn "Main power switch" (8) on, and switch (14) in Manual position. Press "Starting Switch" (9) on. (see Diagram 8)

Turn "Suction valve" (1) to "Purge" slowly, and turn "Drive Switch" (14) to Automatic. Recovery unit is doing Self-cleaning. (See Diagram 9)



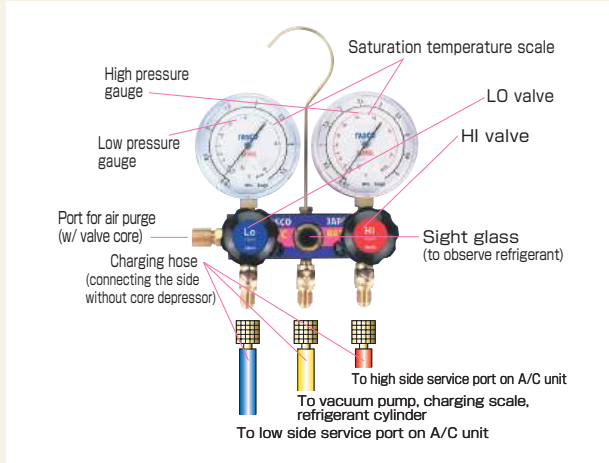
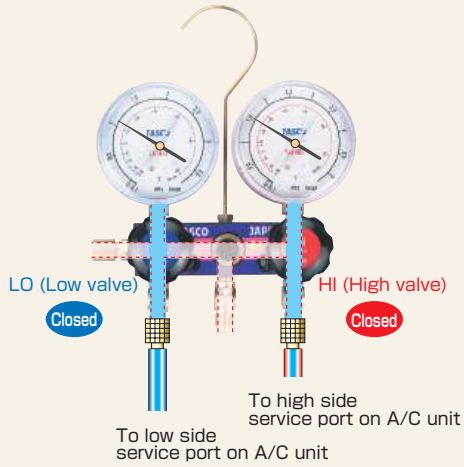
9. After recovery unit stops running automatically, close all valves of hoses and cylinder, and turn the unit off. (see Diagram 10) Close "Suction valve" (1) and "Discharge valve" (5) for storage. Recovery and self-cleaning are now complete. (see Diagram 11)



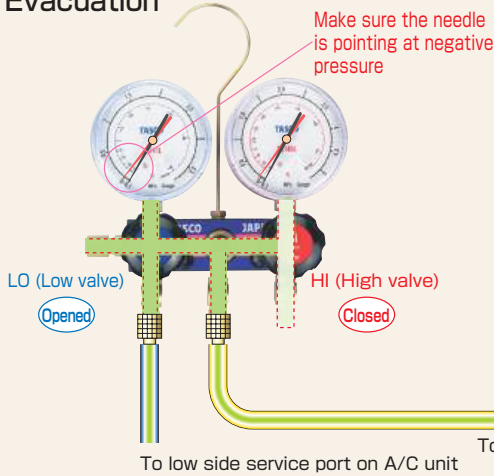
How to use the manifold

① Monitoring pressure in air conditioner

Diagram
 (Green) indicates vacuum process in circuit
 (Blue) indicates refrigerant flow in circuit



② Evacuation



Guide to determine failures of A/C unit

Check items	Air conditioning		Heating		Failure examples
	Vapor pressure	Current (Amp)	Liquid pressure	Current (Amp)	
Test result	High	High	Low	Low	Radiation disturbance due to filth or short circuit or defective compressor
	High	Low	High	Low	Failure of 4 way valve
	High	Low	High	High	Failure of heat exchanger or filter
	Low	Low	Low	Low	Clogs in refrigerant cycle, shortage refrigerant

Values of pressure and current vary depending on conditions such as type of refrigerants, units, etc. Please refer manufacturer's manual.

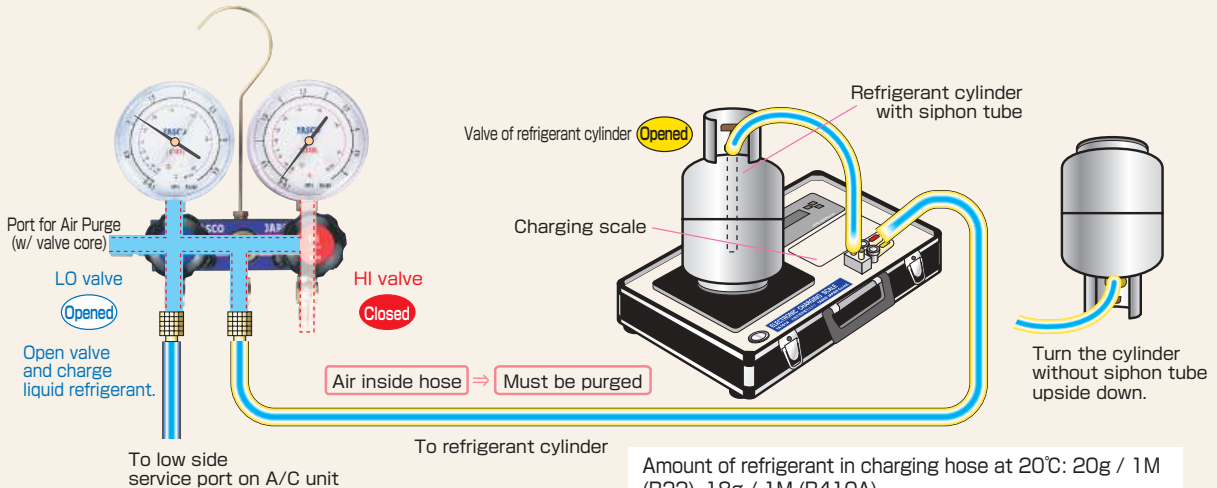
③ Pressure leak test after evacuation

HI valve **closed**
 LO valve **closed**
 Vacuum pump is turned off.

Leave for 10 minutes

Make sure that gauge needle does not move. (No leak)

④ Charge (Run air conditioner if necessary.)

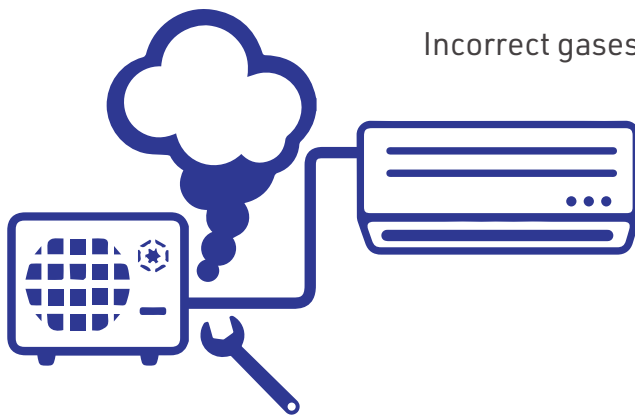
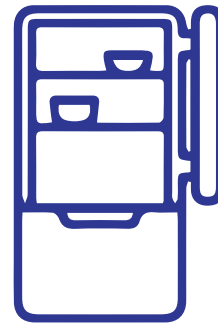


Amount of refrigerant in charging hose at 20°C: 20g / 1M (R22), 18g / 1M (R410A)

Fluorocarbons should not be released into the atmosphere!

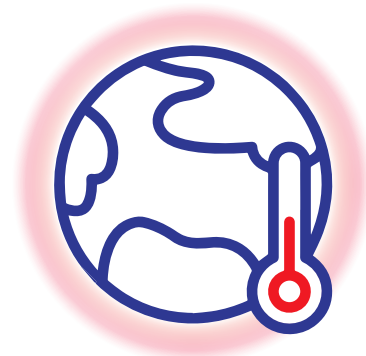


Fluorocarbons are used in air conditioners and refrigerators.



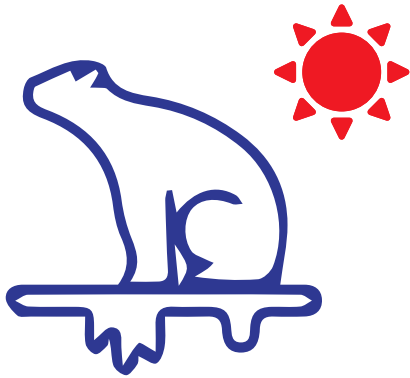
Incorrect gases recovery process,

Refrigerant into atmosphere, accelerating global warming

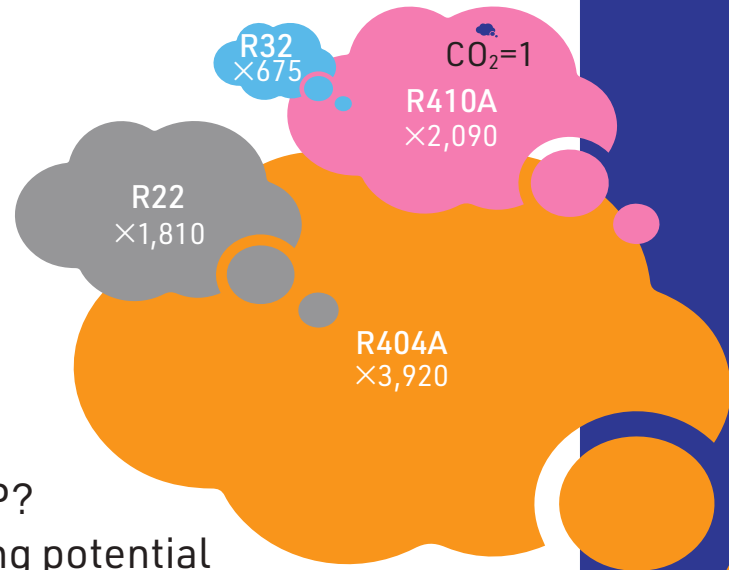


Released fluorocarbons into the atmosphere drift in the stratosphere for decades to a century.

The global warming impact of fluorocarbons is significantly harmful.



GWP



※What is GWP? Global warming potential

The number represents how much other greenhouse gases are capable of warming the earth with CO₂ as the standard.

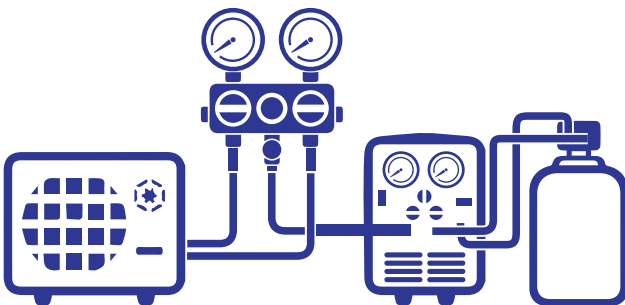
When disposing of equipment containing fluorocarbons,
pump down the equipment first.



How to pump down.

Let's pump down.

Let's Pump Down!



and recover

Recovered fluorocarbons can be reclaimed or destroyed into
non-toxic materials at dedicated plants.



TASCO HVAC/R TOOL CATALOG

MANIFOLDS
GAUGES & HOSES
ACCESS VALVES
TOOL KITS
RECOVERY EQUIPMENTS
REFRIGERANT CYCLE CLEANING
VACUUM PUMPS & ACCESSORIES
CHARGING SCALES & LEAK DETECTORS
TUBE CUTTERS & DEBURRING TOOLS
FLARING TOOLS
TORQUE WRENCHES
TUBE BENDERS
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THERMOMETERS & LASER LEVEL
GAS TORCH EQUIPMENT
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