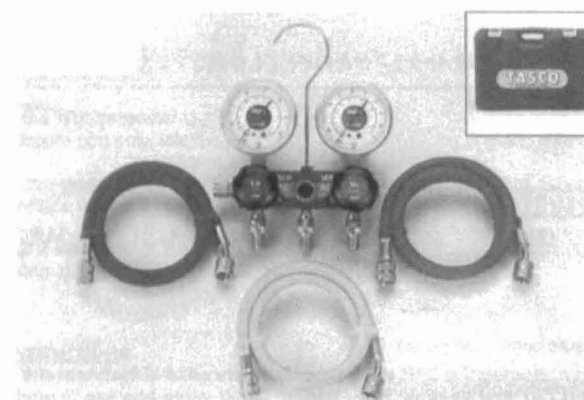




## GAUGE MANIFOLD

TA120/122/124 Series

## INSTRUCTION MANUAL



Thank you for purchasing the TASCO Gauge Manifold Kit.  
Please read this instruction manual carefully before use so that you can use the product properly.



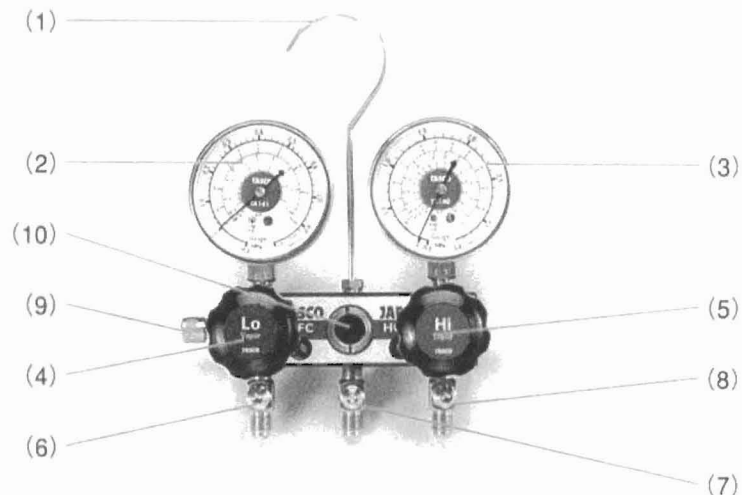
ICHINEN **TASCO** CO.,LTD.

1-17-20 Inadauemachi, Higashi-Osaka City, Osaka  
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ICHINEN **TASCO** CO.,LTD.

## Parts and Controls



- (1) Hook
- (2) Low-pressure compound gauge
- (3) High-pressure compound gauge
- (4) Low-pressure handwheel
- (5) High-pressure handwheel
- (6) Low-pressure hose fitting
- (7) Charging hose fitting for evacuation
- (8) High-pressure hose fitting
- (9) Service port with core
- (10) Sight glass

## Recommended Operating Procedure

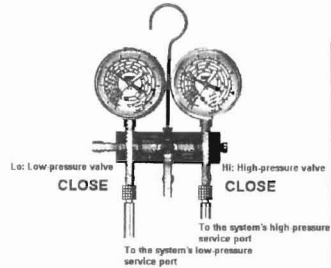
1. Tighten the high- and low-pressure handwheels and then connect the manifold's high- and low-pressure hoses to the ports of the AC/R system, respectively.
2. Connect the charging hose (yellow) to the vacuum pump and then connect the hose to the hose fitting for evacuation.
3. Loosen the high- and low-pressure handwheels.
4. Activate the vacuum pump to evacuate the system for a required period of time.
5. Tighten the high- and low-pressure handwheels and then turn off the vacuum pump. Check the gauge pressure at this time. After a few minutes, check the gauge pressure again. If the gauge pressure has not increased at all, there is no leakage in the system.
6. Disconnect the charging hose from the pump and then connect the charging hose to the charging scale.
7. Carry out charging by means of the charging scale. At this time, do not loosen the manifold's handwheels.
8. Open the high-pressure valve to charge refrigerant. (If the system is equipped with a low-pressure port only, use the port for both refrigerant charging and evacuation.)
9. If the low-pressure port is to be used, close the high-pressure valve and open the low-pressure valve slightly for gas-phase refrigerant charging.
10. Check if each one of the gauges properly points the pressure values recommended by the system manufacturer's manual.

## Safety Instructions

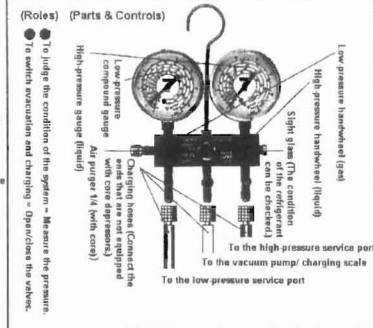
1. **Since this manifold is to be used exclusively for HFC refrigerants, never charge any other type of gas and never use it for any other purpose than recommended in this instruction manual.**
2. **Wear protective clothing, a helmet, protective glasses, gloves, safety shoes when handling refrigerants to avoid contact with refrigerants, which could possibly blind and injure the operator.**
3. **Do not forget to check if the charging hose is equipped with a hose gasket. Be very careful not to get frozen by refrigerants.**

## ■ Applications Part 1

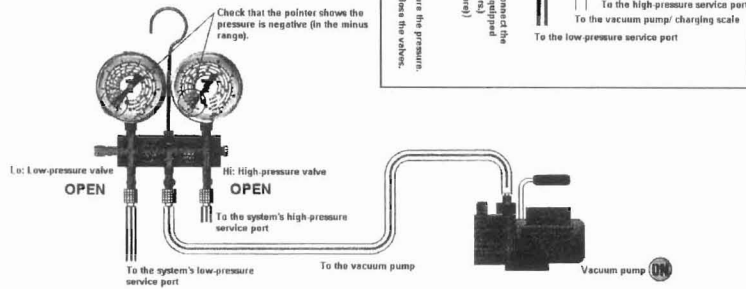
### 1. Measuring the operation pressure of the system



#### ■ Parts, Controls, and Roles



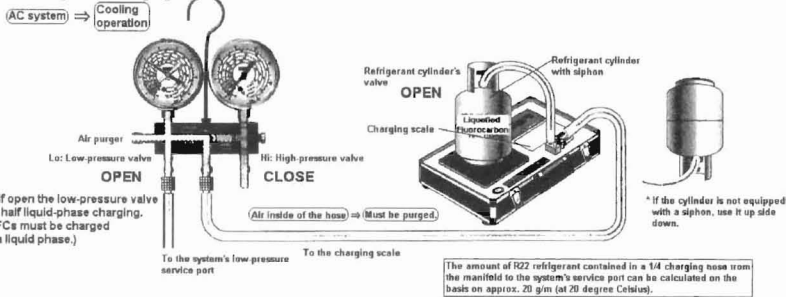
### 2. Evacuation



### 3. Airtight Test



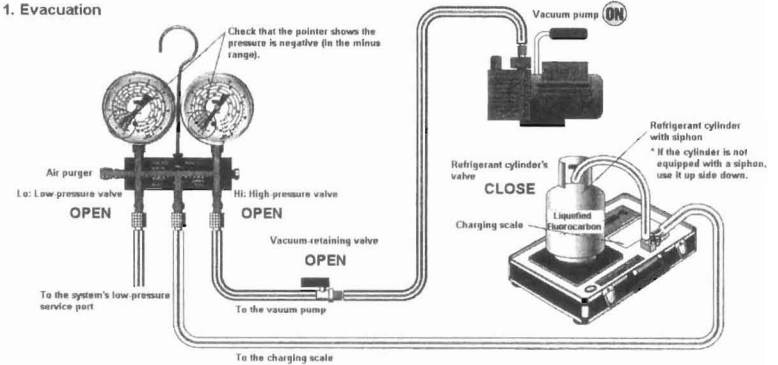
### 4. Refrigerant Charging



## ■ Applications Part 2

### Connections to systems equipped with a low-pressure (gas) service port only

#### 1. Evacuation

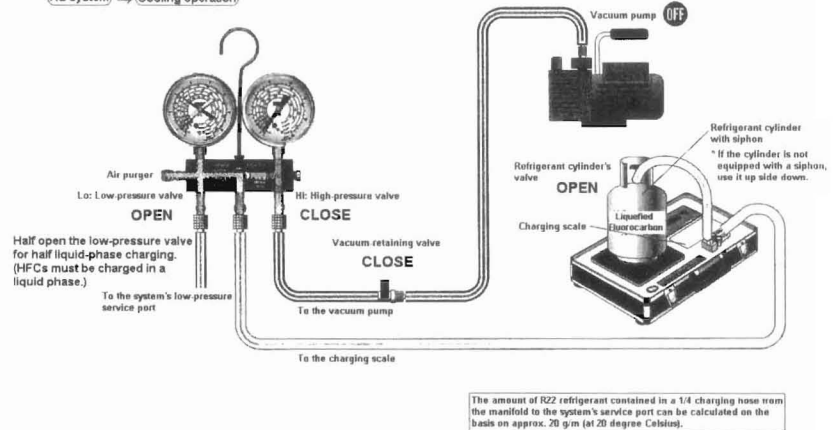


#### 2. Airtight Test



#### 3. Refrigerant Charging

AC system ⇒ Cooling operation



## Warranty

### Terms of Warranty

1. This product is to be repaired free of charge if a failure occurs despite proper use during the period of warranty.
2. This warranty is valid for 1 year starting from the date of purchase.
3. In any of the following cases, this product is to be excluded from free-of-charge repair.
  - 1) Failures incurred by improper use.
  - 2) Failures due to handling and storage beyond its specifications.
  - 3) Failures due to modifications or repairs not done by the manufacturer or its entrusted technicians.
  - 4) Failures due to consumable components.
  - 5) Other failures not deemed to be the manufacturer's responsibilities.

Product Name: <b>Gauge Manifold Kit</b>	
Model: <b>TA120/122/124 series</b>	Serial number:
Date of purchase: M:     /D:     /Y:	
Period of warranty: For 1 year starting from M:     /D:     /Y:	
Customer	
Name: _____	
Address: _____	
Phone number: _____	
Dealer	
Address and name: _____	

\* To the dealer: Kindly take a few minutes and fill out the above form.



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