

ANOMALY MESSAGES (before service contact your authorised dealer)

Error! Scale A1	Scale blocked (See Chap.. 9) or faulty
Error! Recovery C1	Recovery process anomaly or compressor faulty.
Error! Overpressure in Recovery process!	High pressure switch in function. Wait 20/30 min. If the message appears again, please contact our "Service" department.
Vessel full! Please wait!	Maximum refrigerant quantity allowed! Reduce the refrigerant quantity in the internal vessel.
Insufficient vacuum Value! Continue?	After few minutes the minimum value is not match. Possible causes: defective A/C system, etc...
Insufficient vacuum For oil/UV charge!	The vacuum value is not enough to guarantee the process. Possible causes: leakage in A/C system, air in the bottles ... Press "START" to bypass and continue with refrigerant charging process.
Insufficient Refrigerant.	The refrigerant quantity is lower then minimum quantity required. Perform "Internal vessel charge".
Order filter drier for next service.	Maintenance will expire soon. Order the parts required (See Chap. 8)
Order vac. pump oil for next service.	Maintenance will expire soon. Order the parts required (See Chap. 8)
0*****	This machine is delivered in "DEMO" mode. After 5x switch ON/OFF the display shows the 0*****. By the "ENCODER" enter the SERIAL NUMBER! (6 digits reported on the "Identification label" on the back)
UNLOCK CODE 0*****	The count down of the 4 months DEMO MODE starts from that moment. After the expiry date the display shows the 0*****. By the "ENCODER" enter the unlock code which can be given to you from your supplier .

BEFORE START!

YOU ARE LOOKING A GENERAL QUICK USER MANUAL FOR A/C SERVICE STATION. MORE DETAILED EXPLANATION AND DESCRIPTION YOU CAN FIND IN SPECIFIC USER MANUAL ON CD, FOR YOUR MODEL, SUPPLIED WITH A/C SERVICE STATION.

FOLLOW GENERAL SAFETY RULES DESCRIBED ON CHAPTER 4.2. IN USER MANUALS!

FOLLOW SAFETY RULES FOR HANDLING THE REFRIGERANT!

SHORT PROCESS EXPLANATION FOR A/C SERVICE STATION

RECOVERY is a process of transferring the refrigerant from vehicle A/C system in to the refrigerant inner A/C service station vessel. Refrigerant pass humidity filter where humidity is extracted. Recovery lasts as long the determined pressure in A/C system is achieved.

OLD OIL AND UV DYE SEPARATION is a process, part of recovery, where old oil and UV dye is separated from refrigerant and extracted into special bottle.

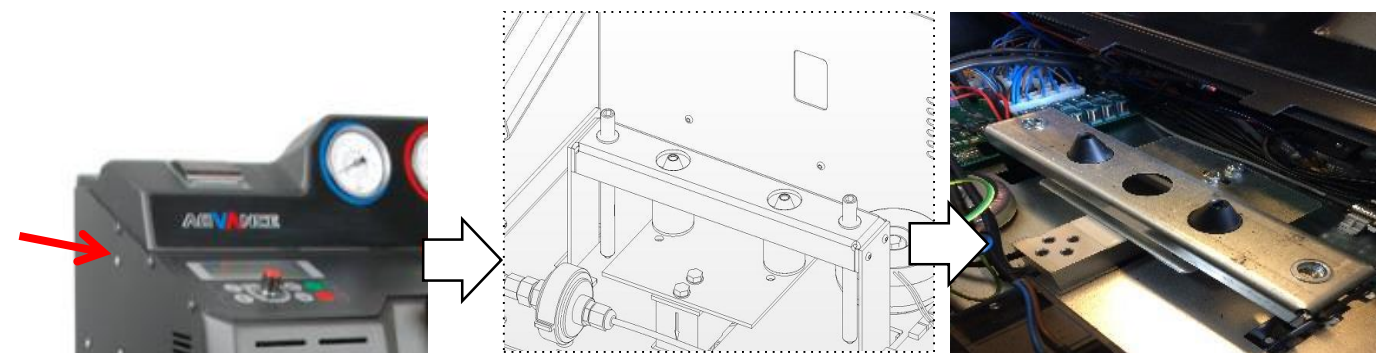
EVACUATION is a process where with use of vacuum pump we reduce the pressure in A/C vehicle system on 1mbar. At these pressure all residual humidity is evaporated and extracted form A/C system. Duration of this process depends on size of A/C system. For example the A/C system with 500g of refrigerant is evacuated for 20 min.

LEAK TEST is process where A/C system is tested on pressure holding.

REFRIGERANT CHARGE is a process where refrigerant, new oil and UV dye are charged into A/C vehicle system, up to the defined values.

A/C PRESSURE TEST is a process where LP (low pressure) and HP (high pressure) pressure is verified during A/C working.

A/C SERVICE STATION PREPARATION - SCALE



1	2	3
REMOVE TOP COVER. Unscrew the screw on each side. Carefully remove top cover.	SCALE SECURED. Scale is secured with two screws in lower position.	Scale is unblocked (working position) when the two screws are unscrewed totally and removed from seats. Save the screws in a safe place to the next securing in case of transport.

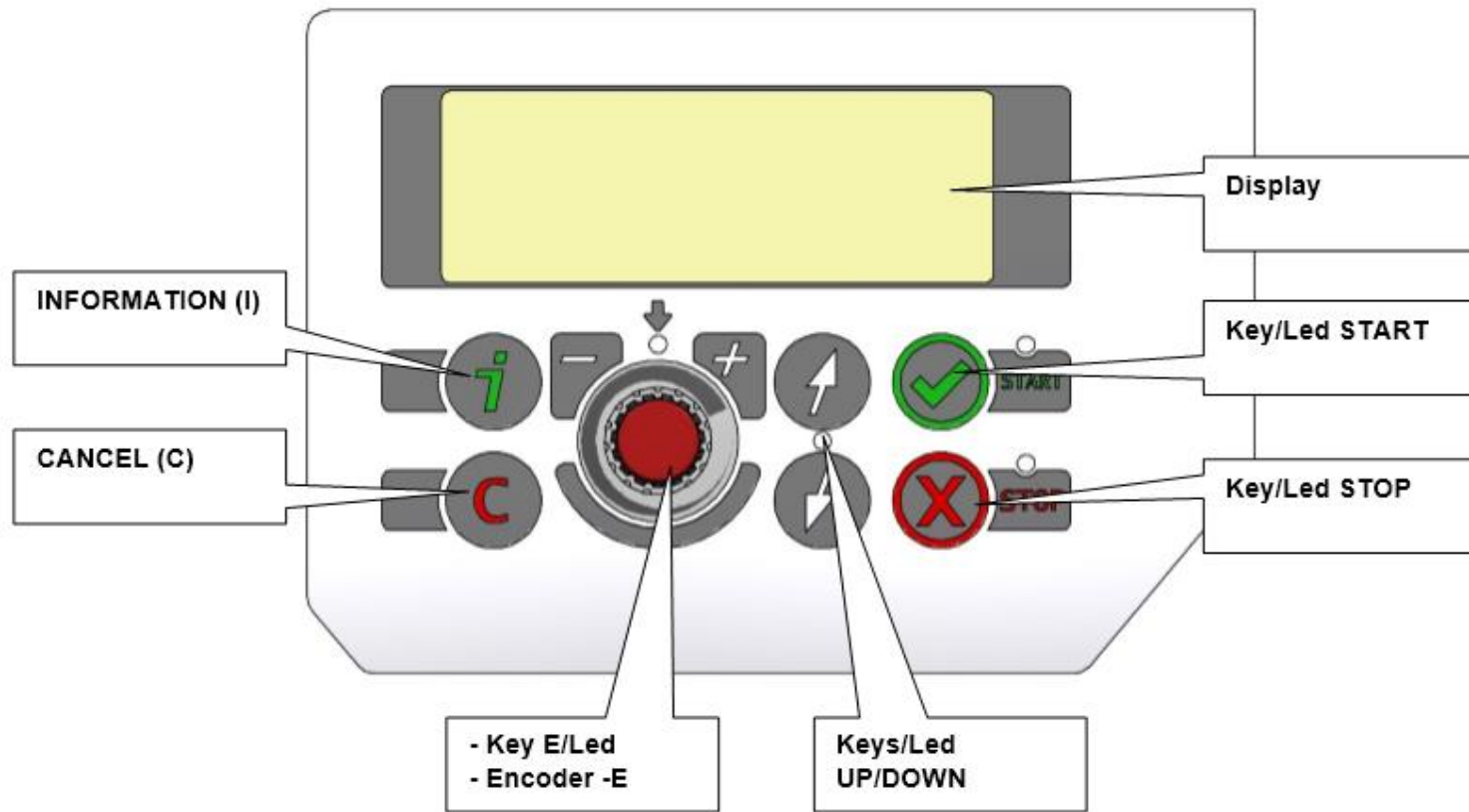
If scale is secured, you will get negative value for refrigerant load when you press "1" key on user interface.

Secure the scale during transport or longer not using period.



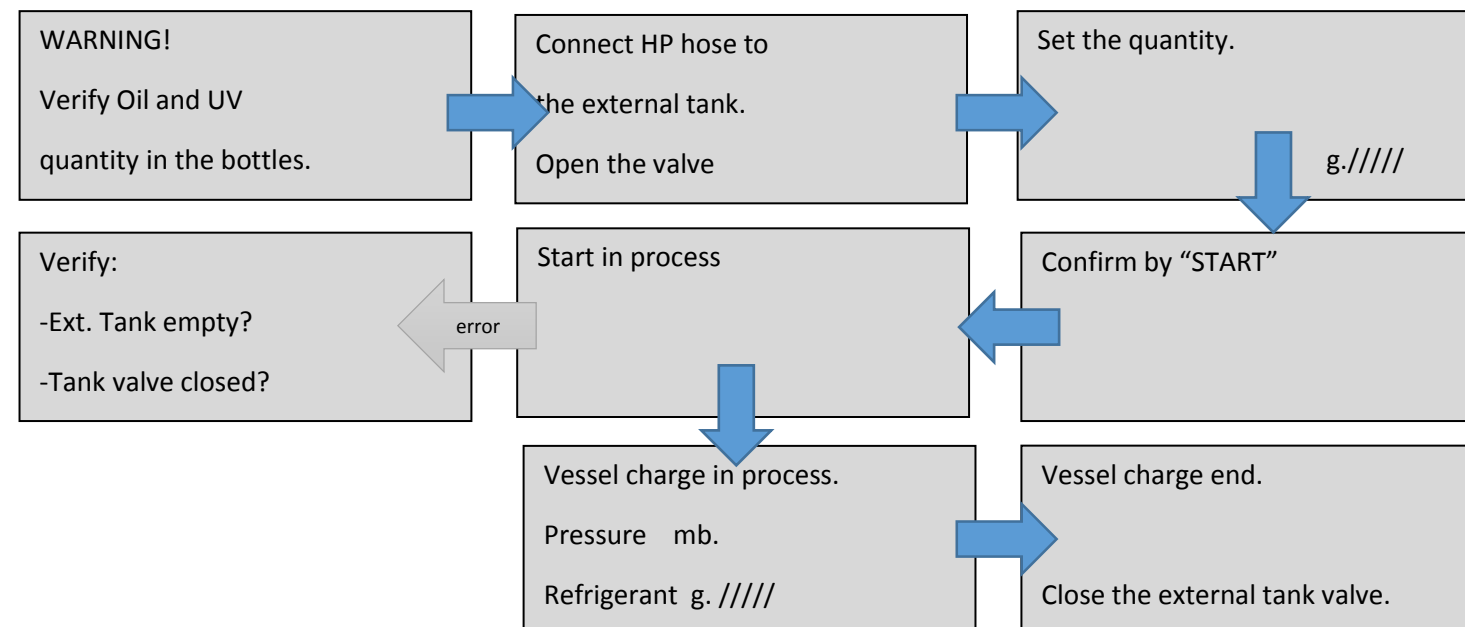
USER INTERFACE

During process or it's setting you can use buttons / knobs illuminated with LED.



FIRST TIME USE AND VESSEL CHARGE

The equipment contain not enough refrigerant to run.
 The available quantity could be negative (i.e.: -500 g.)
 It is necessary to put new refrigerant into the internal vessel before the use.
 Turn "ENCODER" to select Basic menu. Press "E" key to confirm.
 Turn "ENCODER" to select Vessel charge. Press "E" key to confirm.



PROCESS AND PROGRAMMES SHORT DESCRIPTION

(always follow the instructions on user interface)

DUE TO MODEL DIFFERENCES THERE COULD BE SOME DISCREPANCES AMONG MODELS AND QUICK USER MANUAL.

Basic menu

Service (service menu for authorised personnel only))

Vessel charge (charging the inner vessel of A/C service station)

Personal settings: Recovered refrigerant quantity and oil are reported on the print-out
 Refrigerant residual check
 Leak test
 PAG Oil (new oil quantity value)
 UV dye (dye quantity value; min is 5cc, Advance)
 Printer (printer installed / off line)
 Language (language setting)

Date - time (date – time setting)

Company name (company information)

A/C pressure test (HP and LP inspection of A/C system)

A/C flushing (Advance / Advance+)

Change of oil type

Scale reset

Maintenance (overview of counters for refrigerant, evacuation duration , ...)

Full service database: Process: recovery, evacuation, leak test, charge, A/C pressure test

Input: refrigerant quantity (manual), UV dye and oil quantity – from personal setting

Smart service: Process: recovery, evacuation, leak test, charge, A/C pressure test

Input: refrigerant quantity (manual), UV dye and oil quantity – from personal setting

Special: shorter service time

Full service: Process: recovery, evacuation, leak test, charge, A/C pressure test

Input: refrigerant quantity (manual), UV dye and oil quantity – from personal setting

Advanced programme *

Recovery

Evacuation

A/C system charge

Recovery / Evacuation

Recovery / A/C system charge

Evacuation / A/C system charge

Recovery / Evacuation / A/C system charge

(* values for UV dye and new oil are manually set in Advance programme)