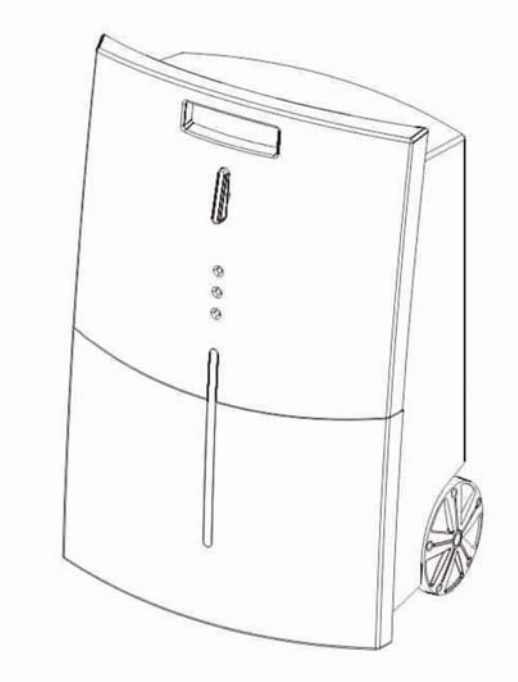
# SERVICE MANUAL

## NARCISO 16
## NARCISO 20





This manual is for the use of technical personnel entrusted with maintenance.
Widetech reserves the right to change this dehumidifier's casing, circuit and parts without notice.


Date: 2009/09/15 Version: 1.0

## IMPORTANT POINTS ON SERVICE OPERATING SAFETY

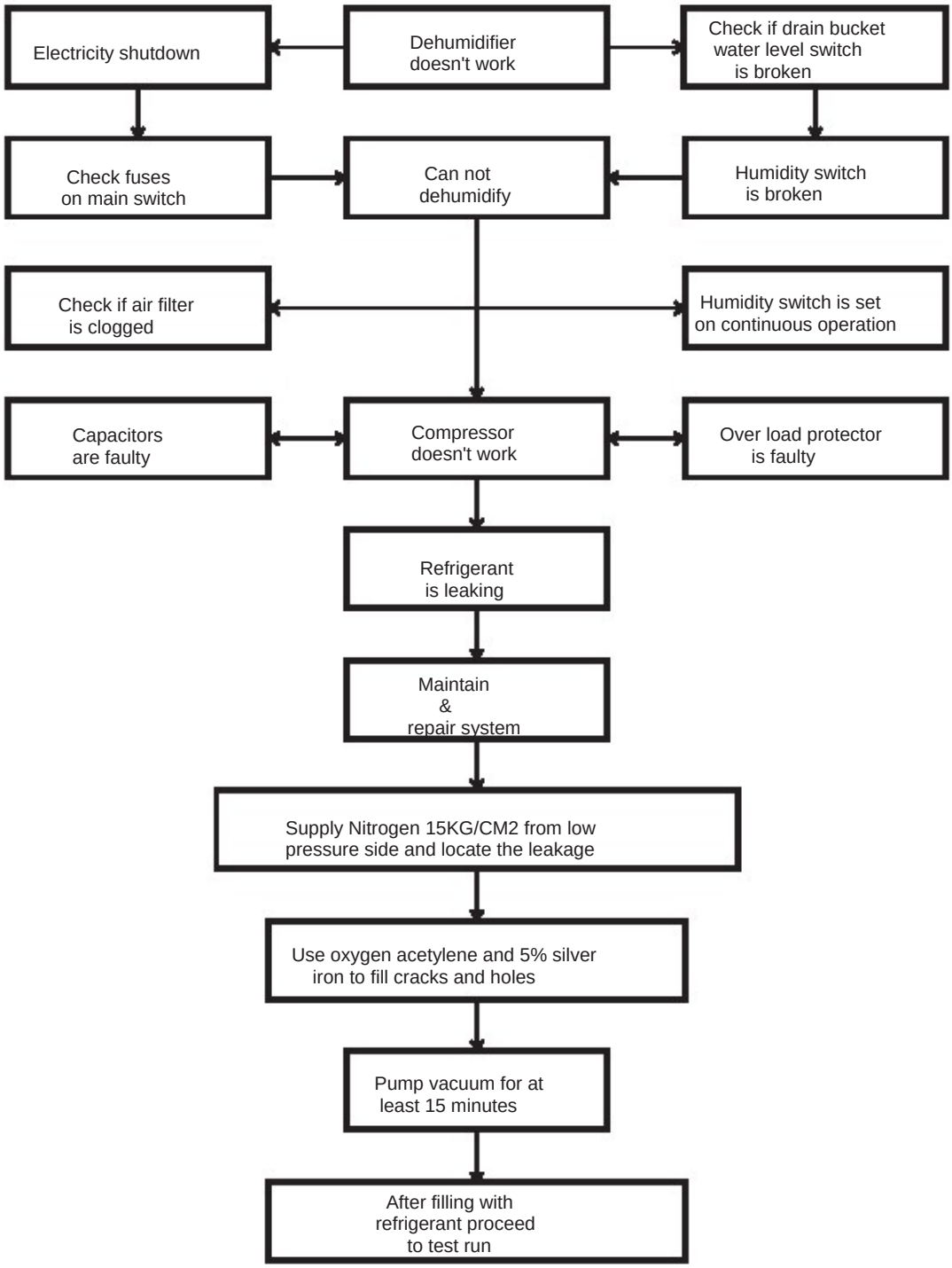
### Please follow these instructions carefully:

- Unplug the unit to avoid any danger from electric shock before disassembling the unit for repair.
- If there is any sound of the refrigerant circulating when in operation, avoid touching the cooling coils.
- If you need to perform any welding or soldering, be sure you are in a well ventilated area.

- Only a qualified professional should perform any welding on the unit.
- When repairing the unit, the specifications listed in this manual must be strictly adhered to when replacing any components.
- When replacing any electrical components they should be factory approved units.

- Be sure that any electrical components are properly wired and in place.

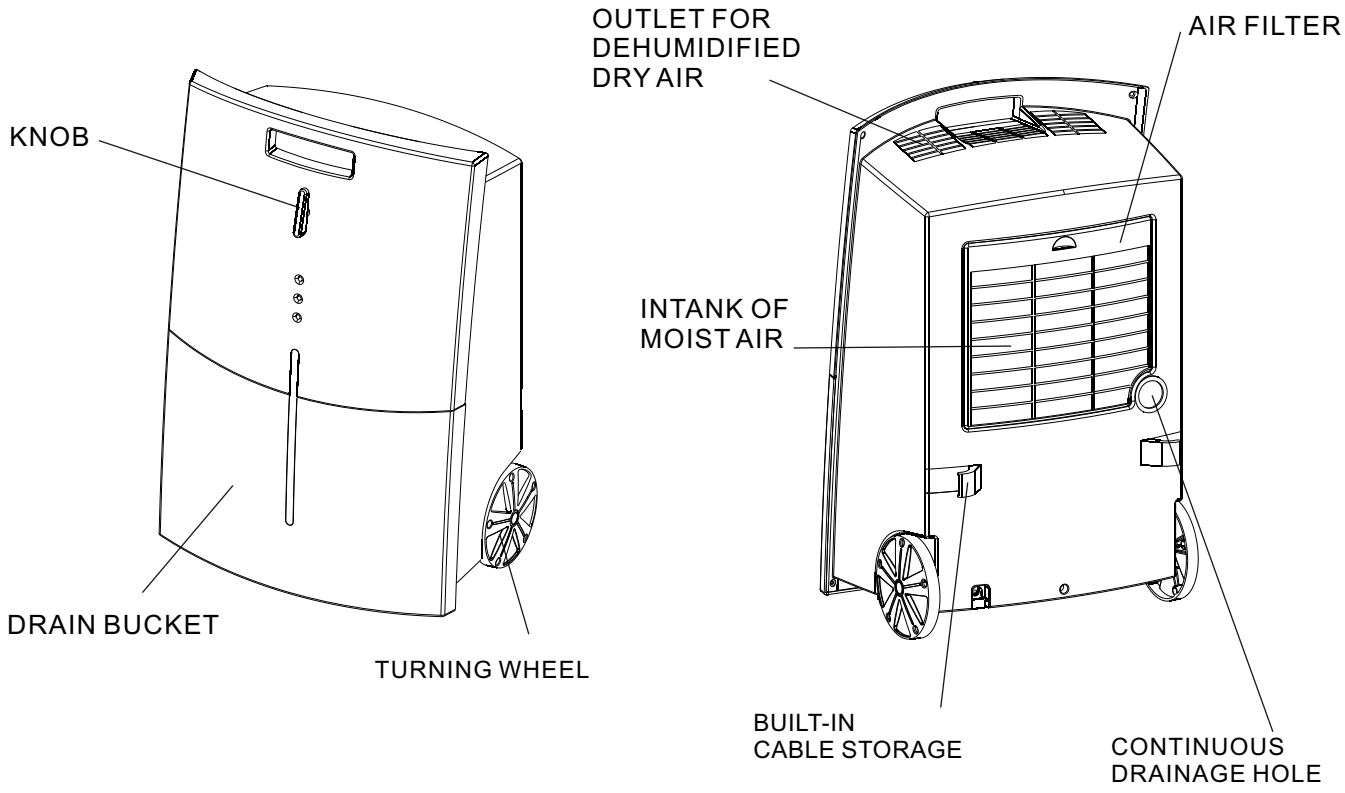
## FLOW CHART FOR INSPECTING AND REPAIRING THE UNIT



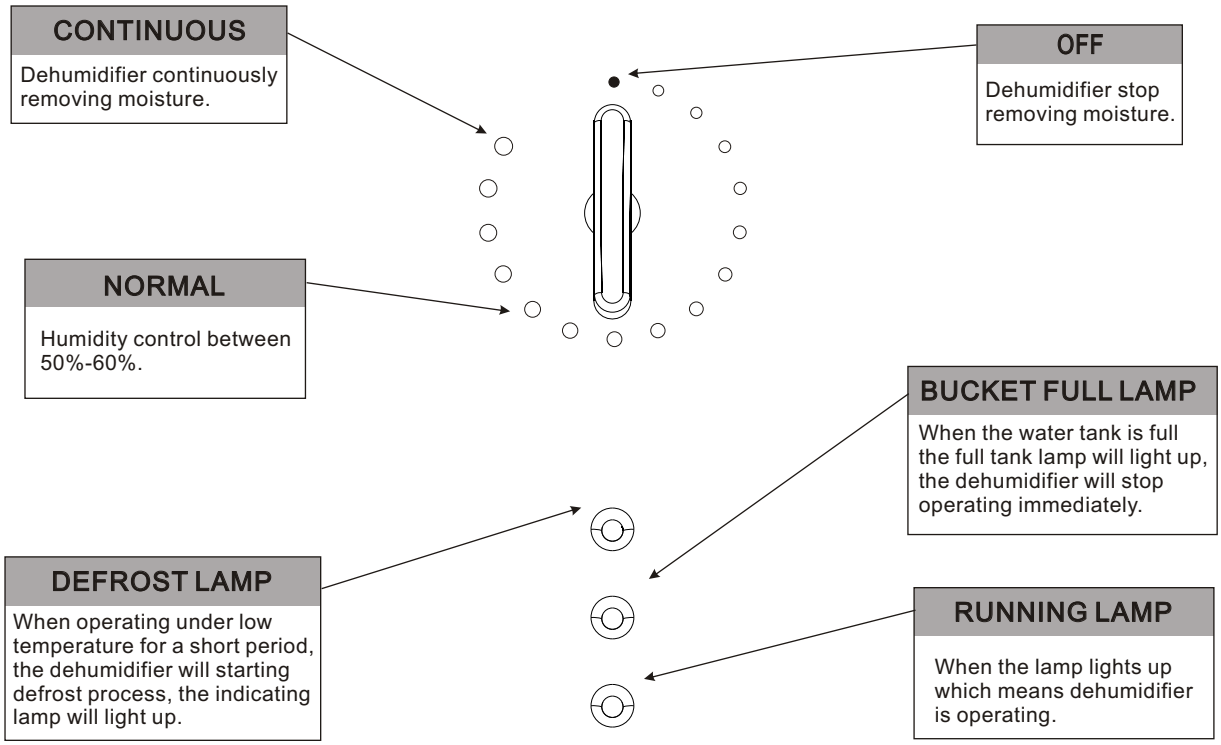
## TROUBLESHOOTING

| Problem | Possible causes | Solution |
|---|---|---|
| Dehumidifier doesn't work | Electricity shutdown or low voltage | Wait for electricity to be restored |
| | Bad plug or a wire is broken | Repair or replace |
| Fan doesn't work | Motor is broken | Repair or replace |
| Compressor doesn't work | Low voltage | Call the local electricity company |
| | Still under the 3 min. protection function after 3 min. | Wait until if goes back to |
| | Compressor is broken | Repair or replace |
| Can not dehumidify or the dehumidifcation volume is too low | Filter is dirty | Clean filter |
| | Refrigerant is leaking | Detect the leakage and fill with refrigerant. |
| | Low temp. and humidity | Normal |
| Loud noise and vibration | Uneven floor | Move to level place or use blocks |
| | Motor or compressor is loose | Tighten screws |
| | Sound of flowing water | Normal, it is the sound when the refrigerant is flowing |
| Evaporator is frosted | Filter is too dirty | Clean filter |
| | Environment temp.is too low | Stop use temporarily |
| Dehumidification water overflows | Drain bucket is broken | Repair or replace |
| | Minor-moving switch is broken | Repair or replace |

## APPEARANCE




## FUNCTIONS

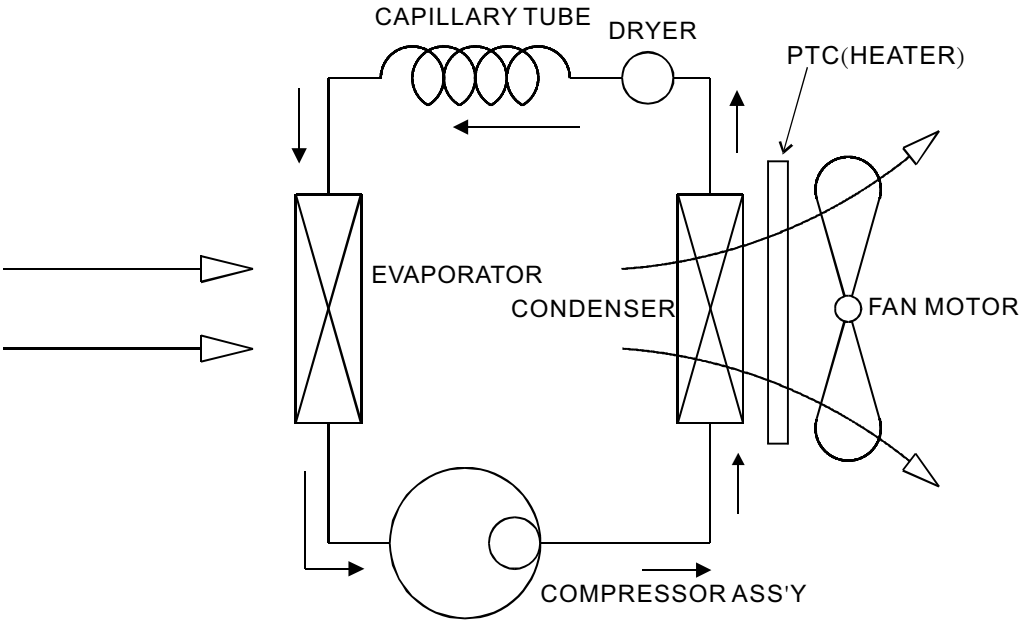


# TECHNICAL SPECIFICATIONS

DEHUMIDIFIER

| ITEM | | UNIT | NARCISO 16-20 | |
|---|---|---|---|---|
| DEHUMIDIFYING CAPACITY | | L/day (30°C-80% R.H.) | 16 | 20 |
| POWER SOURCE | | V/Hz | 220-240V 50Hz | |
| NOISE | | dB(A) | 42 | |
| POWER CONSUMPTION | | W | 320 | |
| CURRENT | | A | 1.39 | |
| WIRE SPECIFICATION | | | PHP-206.16A 250V、H 0 5 VV - F 3 G 0 .75 mm 2 | |
| DIMENSIONS | | mm | 4 05W x63 2Hx2 90D | |
| NET | | kg | 13,8 / 14 | |
| MODEL NUMBER COMPRESSOR | | | 35D0 26- A1- AKDA | |
| POWERASS'Y CONSUMPTION | | W | 34 1 | |
| FAN MOTOR | MODEL NUMBER | | LS-1 6D1 -01 | |
| | POWER CONSUMPTION | W | 30 | |
| HEAT EVAPORATOR | | RxSxFPIxW | 1R 8S19 FPI x12 .7mm | |
| EXCHANGER UNIT CONDENSER | | RxSxFPIxW | 2 R8S 19F PIx 25. 4mm | |
| REFRIGERANT | | R-410A/g | 1 60 | |
| CAPILLARY TUBE | | mm | D2.1x d0. 9x8 00 | |
| COMP O.L.P | | | M RA12 263 -120 95 | |
| DRAIN BUCKET CAPACITY | | L | 3. 5 | |

# REFRIGERATOR SYSTEM DIAGRAM




# SCHEMATIC WIRING DIAGRAM