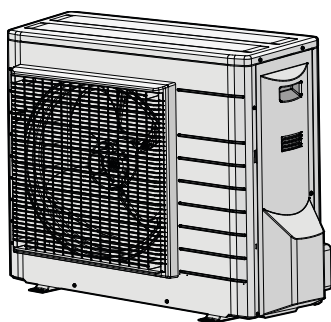




Installation manual

R32 split series



RXF50A2V1B
RXF60A2V1B

Installation manual
R32 split series

English

CE - DECLARATION OF CONFORMITY
CE - KONFORMITÄTSEKLERUNG
CE - DECLARATION DE CONFORMITE
CE - KONFORMITÄTSEKLERUNG
CE - DECLARACIÓN DE CONFORMIDAD
CE - DICHLARAZIONE DI CONFORMITÀ
CE - ΔΗΛΩΣΗ ΣΥΜΜΟΡΦΟΣΗΣ

CE - DECLARACIÓN DE CONFORMIDADE
CE - ЗАЯВЛЕНИЕ О СООТВЕТСТВИИ
CE - OVERENSTEMMINGSEKLERING
CE - FÖRSÄKRAN OM ÖVERENSTEMMELSE

CE - ERKLÄRUNG OM SAMSVAR
CE - LIKUTOTUS YHDENMUKAISUDESTA
CE - DEKLARACJA ZGODNOŚCI
CE - DECLARAȚIE DE CONFORMITATE

CE - IZJAVA O SKLADNOSTI
CE - VASTAVUSEKLERACIJA
CE - ДЕКЛАРАЦИЯ СООТВЕТСТВИЯ
CE - УПОСЛУЖИВАЊИЈА

CE - ATTIKITES-DEKLARACIJA
CE - ATILIS STRĀS DEKLARĀCIJA
CE - VYHLÁŠENIE ZHODY
CE - УПОСЛУЖИВАЊИЈА

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- 01 00 declares under its sole responsibility that the air conditioning models to which this declaration relates;
02 00 erklärt unter seiner alleinigen Verantwortung, daß die Modelle der Klimaanlage für die diese Erklärung abgegeben wird;
03 00 déclare sous sa seule responsabilité que les appareils d'air conditionné visés par la présente déclaration;
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05 00 declara bajo su única responsabilidad que los modelos de aire acondicionado a los cuales hace referencia la declaración;
06 00 δηλώνει υπό την αποκλειστική του ευθύνη ότι τα κλιματιστικά μοντέλα στα οποία αφορά η παρούσα δήλωση;
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RXF50A2V1B,

- 01 are in conformity with the following standard(s) or other normative document(s), provided that these are used in accordance with our instructions;
02 werden folgenden Norm(en) oder einem anderen Normdokument oder -dokumenten entsprechend, unter der Voraussetzung, daß sie gemäß unserer Anweisungen eingesetzt werden;
03 sont conformes à la(s) norme(s) ou autre(s) document(s) normatif(s), pour autant qu'ils soient utilisés conformément à nos instructions;
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13 noudatteen määräykset:
14 za dodržení ustanovení přípisů:
15 prema odredbama:
16 követi az előírásokat:
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03 Remarque* le que défini dans et évalué positivement par
04 Bemerk* zoals vermeld in en positief beoordeeld door
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07 Certificado* Certificado

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20 vashavati toleale;
21 creavati kravane na:
22 lakaitis nustatę pareikšiam:
23 įvertinti patalpas, kas neatkats:
24 održavati ustanovu:
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07 Önyvisek, mint az új változatok módosítottak
08 Directives, conformément à leur amendement
09 Директива со всеми поправками

<A>	DAIKIN.TCF.03.2D2/12-20.17
	DEKRA (NB0344)
<C>	2.1596/19.0551-EMC

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Tetsuya Baba
Managing Director
Pilsen, 1st of December 2017

DAIKIN INDUSTRIES CZECH REPUBLIC s.r.o.

U Nové Hospody 1/155, 301 00 Plzeň Skvrňany,
Czech Republic

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1 About the documentation

1.1 About this document



INFORMATION

Make sure that the user has the printed documentation and ask him/her to keep it for future reference.

Target audience

Authorised installers

Documentation set

This document is part of a documentation set. The complete set consists of:

• General safety precautions:

- Safety instructions that you **MUST** read before installing
- Format: Paper (in the box of the outdoor unit)

• Outdoor unit installation manual:

- Installation instructions
- Format: Paper (in the box of the outdoor unit)

• Installer reference guide:

- Preparation of the installation, reference data,...
- Format: Digital files on <http://www.daikineurope.com/support-and-manuals/product-information/>

Latest revisions of the supplied documentation may be available on the regional Daikin website or via your dealer.

The original documentation is written in English. All other languages are translations.

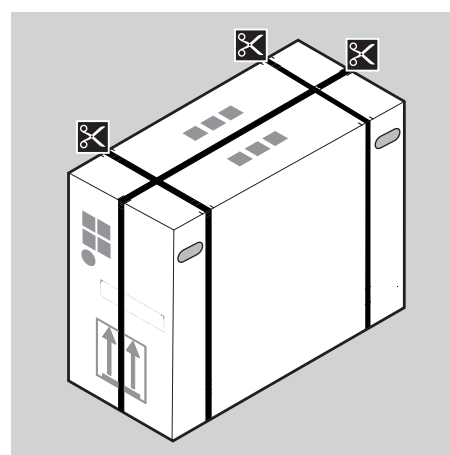
Technical engineering data

- A **subset** of the latest technical data is available on the regional Daikin website (publicly accessible).
- The **full set** of latest technical data is available on the Daikin extranet (authentication required).

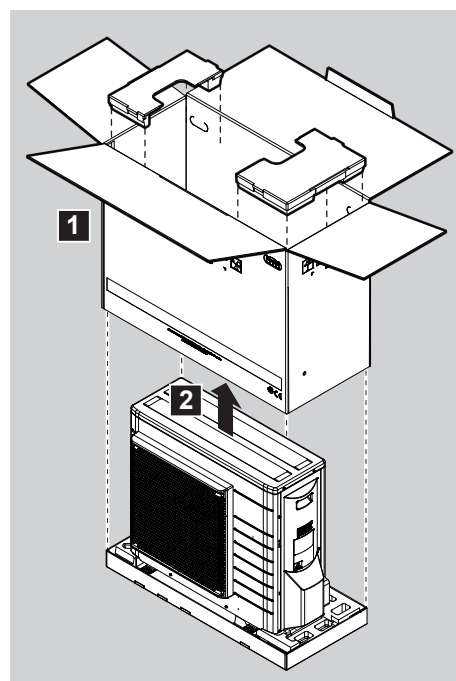
2 About the box

2.1 Outdoor unit

2.1.1 To unpack the outdoor unit



3 Preparation



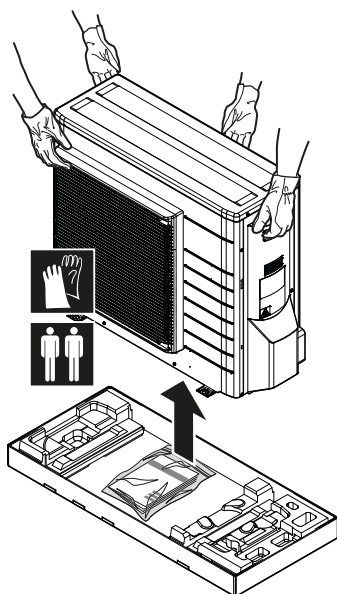
2.1.2 To remove the accessories from the outdoor unit

- 1 Lift the outdoor unit.

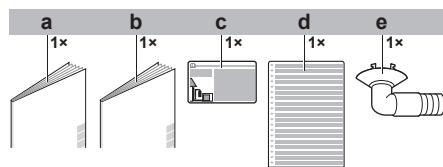


CAUTION

Only handle the outdoor unit as follows:



- 2 Remove the accessories at the bottom of the package.



- a General safety precautions
- b Outdoor unit installation manual
- c Fluorinated greenhouse gases label
- d Multilingual fluorinated greenhouse gases label
- e Drain plug (located on the bottom of the packing case)

3 Preparation

3.1 Preparing the installation site



CAUTION

- Check if the installation location can support the unit's weight. Poor installation is hazardous. It can also cause vibrations or unusual operating noise.
- Provide sufficient service space.
- Do NOT install the unit so that it is in contact with a ceiling or a wall, as this may cause vibrations.

- Choose the installation location with sufficient place for carrying the unit in and out of the site.
- Choose a location where the hot/cold air discharged from the unit or the operation noise, will NOT disturb anyone.
- Provide sufficient space around the unit for servicing and air circulation.
- Avoid areas where flammable gas or product might leak.

Install power cables at least 1 metre away from televisions or radios to prevent interference. Depending on the radio waves, a distance of 3 metres may NOT be sufficient.



WARNING

Do NOT place objects below the indoor and/or outdoor unit that may get wet. In this condition, condensation on the main unit or refrigerant pipes, air filter dirt or drain blockage may cause dripping. This results in fouling or failure of the object which is located beneath the unit.

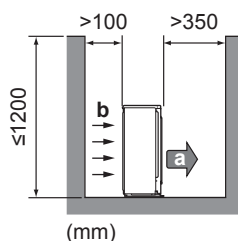


WARNING

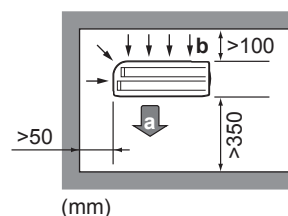
The appliance shall be stored in a room without continuously operating ignition sources (example: open flames, an operating gas appliance or an operating electric heater).

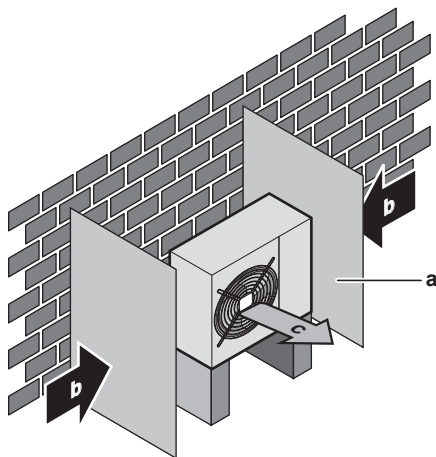
3.1.1 Installation site requirements of the outdoor unit

Mind the following spacing guidelines:



- a Air outlet
- b Air inlet



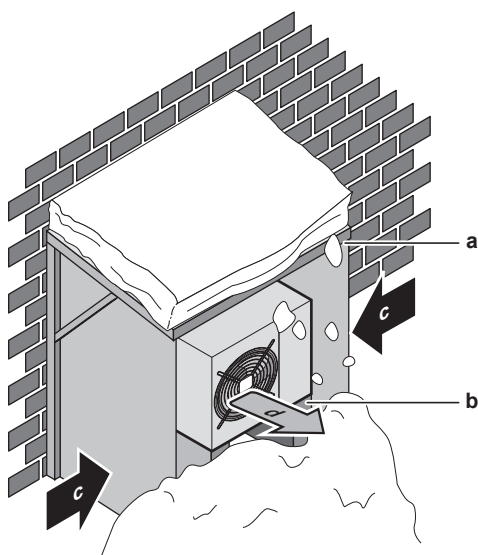


- a Baffle plate
- b Prevailing wind direction
- c Air outlet

The outdoor unit is designed for outdoor installation only, and for ambient temperatures ranging from -10 to 46°C in cooling mode and from -15 to 24°C in heating mode.

3.1.2 Additional installation site requirements of the outdoor unit in cold climates

Protect the outdoor unit against direct snowfall and take care that the outdoor unit is NEVER snowed up.



- a Snow cover or shed
- b Pedestal
- c Prevailing wind direction
- d Air outlet

In any case, provide at least 300 mm of free space below the unit. Additionally, make sure the unit is positioned at least 100 mm above the maximum expected level of snow. See "4.2 Mounting the outdoor unit" on page 7 for more details.

In heavy snowfall areas it is very important to select an installation site where the snow will NOT affect the unit. If lateral snowfall is possible, make sure that the heat exchanger coil is NOT affected by the snow. If necessary, install a snow cover or shed and a pedestal.

3.2 Preparing refrigerant piping

3.2.1 Refrigerant piping requirements

- **Piping material:** Phosphoric acid deoxidised seamless copper.
- **Piping diameter:**

Liquid piping	$\varnothing 6.4$ mm (1/4")
---------------	-----------------------------

Gas piping	$\varnothing 12.7$ mm (1/2")
------------	------------------------------

- **Piping temper grade and thickness:**

Outer diameter ($\varnothing$)	Temper grade	Thickness (t) ^(a)	
6.4 mm (1/4")	Annealed (O)	≥ 0.8 mm	
12.7 mm (1/2")			

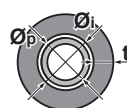
(a) Depending on the applicable legislation and the unit's maximum working pressure (see "PS High" on the unit name plate), larger piping thickness might be required.

3.2.2 Refrigerant piping length and height difference

What?	Distance
Maximum allowable pipe length	30 m
Minimum allowable pipe length	1.5 m
Maximum allowable height distance	20 m

3.2.3 Refrigerant piping insulation

Pipe outer diameter ($\varnothing_p$)	Insulation inner diameter ($\varnothing_i$)	Insulation thickness (t)
6.4 mm (1/4")	8~10 mm	≥ 10 mm
12.7 mm (1/2")	14~16 mm	



If the temperature is higher than 30°C and the humidity is higher than RH 80%, the thickness of the insulation materials should be at least 20 mm to prevent condensation on the surface of the insulation.

4 Installation

4.1 Opening the units

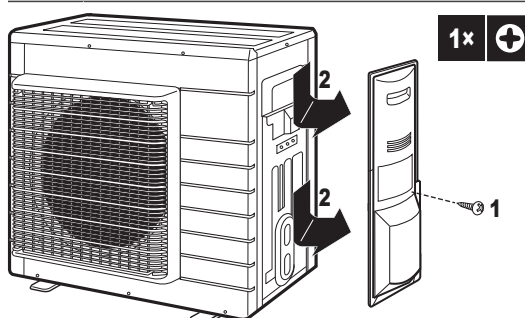
4.1.1 To open the outdoor unit



DANGER: RISK OF ELECTROCUTION



DANGER: RISK OF BURNING

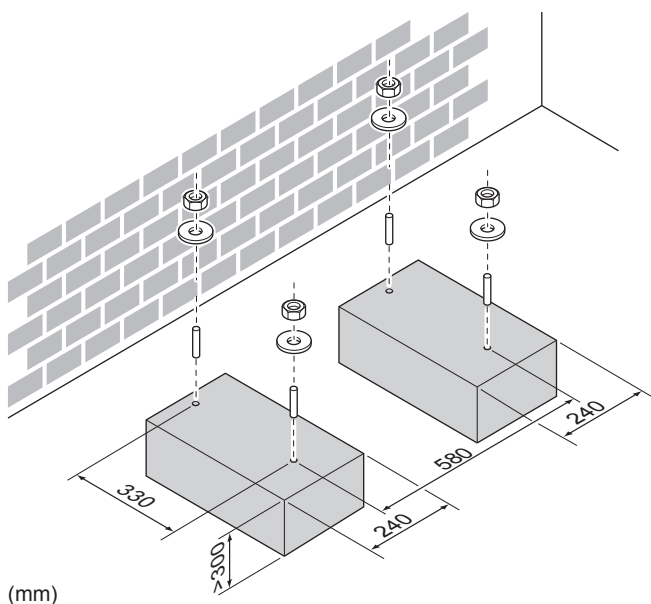
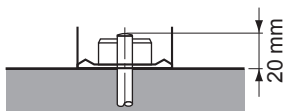


4.2 Mounting the outdoor unit

4.2.1 To provide the installation structure

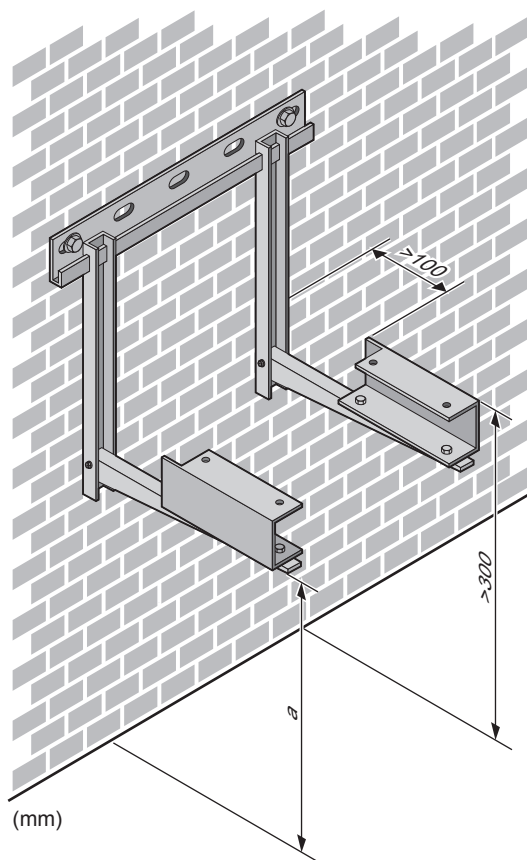
Prepare 4 sets of M8 or M10 anchor bolts, nuts and washers (field supply).

4 Installation



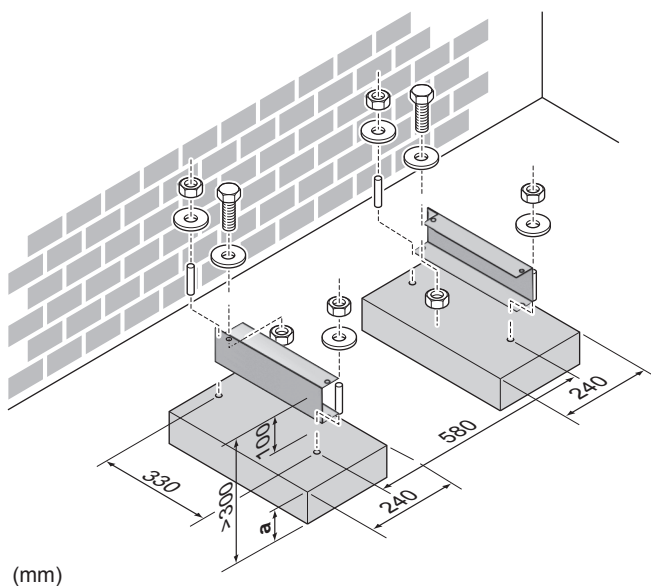
(mm)

In any case, provide at least 300 mm of free space below the unit. Additionally, make sure the unit is positioned at least 100 mm above the maximum expected level of snow. In this case, it is recommended to construct a pedestal.



(mm)

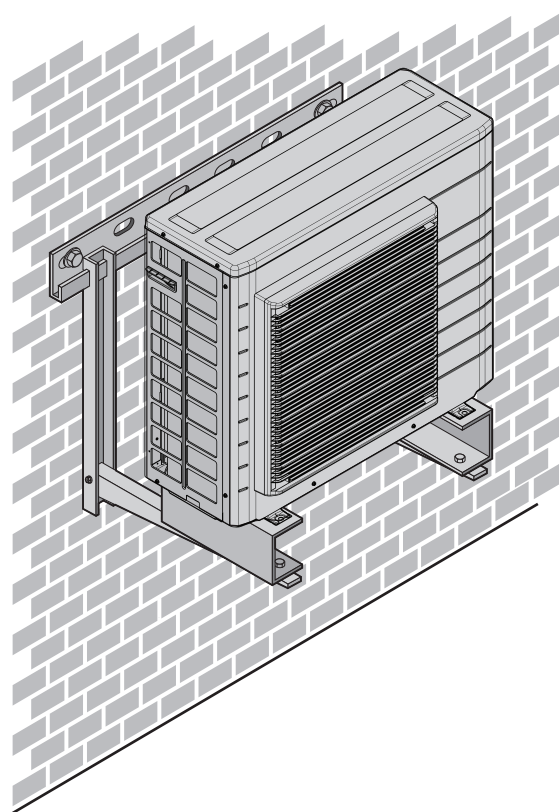
a Maximum snowfall height



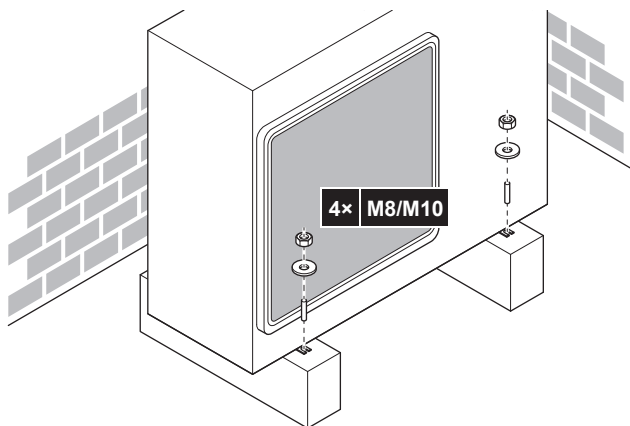
(mm)

a Maximum snowfall height

If the unit is installed on brackets to the wall, install the unit as follows:



4.2.2 To install the outdoor unit



4.2.3 To provide drainage



NOTICE

If the unit is installed in a cold climate, take adequate measures so that the evacuated condensate CANNOT freeze.



INFORMATION

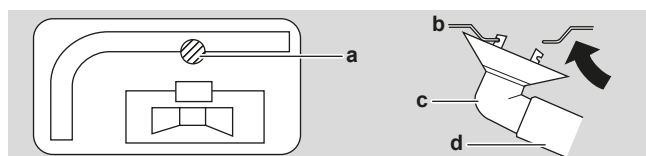
For information on the available options, contact your dealer.



NOTICE

Provide at least 300 mm of free space below the unit. Additionally, make sure the unit is positioned at least 100 mm above the expected level of snow.

- 1 Use a drain plug for drainage.
- 2 Use a Ø16 mm hose (field supply).

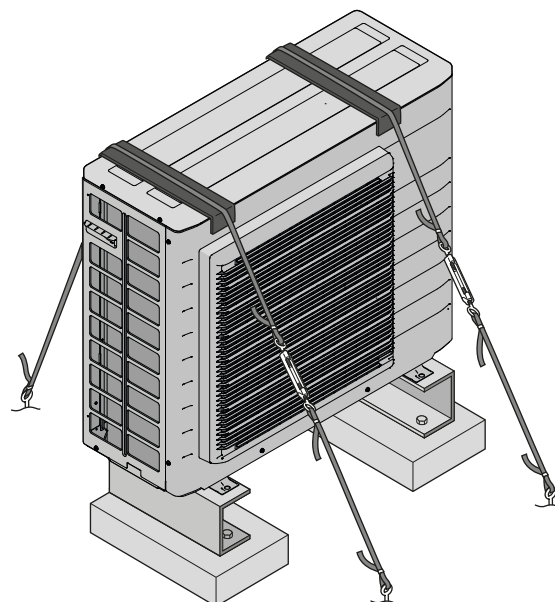


- a Drain port
- b Bottom frame
- c Drain plug
- d Hose (field supply)

4.2.4 To prevent the outdoor unit from falling over

In case the unit is installed in places where strong wind can tilt the unit, take following measure:

- 1 Prepare 2 cables as indicated in the following illustration (field supply).
- 2 Place the 2 cables over the outdoor unit.
- 3 Insert a rubber sheet between the cables and the outdoor unit to prevent the cable from scratching the paint (field supply).
- 4 Attach the cable's ends. Tighten those ends.



4.3 Connecting the refrigerant piping



DANGER: RISK OF BURNING

4.3.1 About connecting the refrigerant piping

Before connecting the refrigerant piping

Make sure the outdoor and indoor unit are mounted.

Typical workflow

Connecting the refrigerant piping involves:

- Connecting the refrigerant piping to the indoor unit
- Connecting the refrigerant piping to the outdoor unit
- Insulating the refrigerant piping
- Keeping in mind the guidelines for:
 - Pipe bending
 - Flaring pipe ends
 - Using the stop valves

4.3.2 Precautions when connecting the refrigerant piping



DANGER: RISK OF BURNING



CAUTION

- Use the flare nut fixed to the main unit.
- To prevent gas leakage, apply refrigeration oil only to the inside of the flare. Use refrigeration oil for R32.
- Do NOT reuse joints.



WARNING

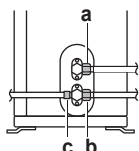
Connect the refrigerant piping securely before running the compressor. If the refrigerant piping is NOT connected and the stop valve is open when the compressor is run, air will be sucked in. This will cause abnormal pressure in the refrigeration cycle, which may result in equipment damage and even injury.

4 Installation

4.3.3 To connect the refrigerant piping to the outdoor unit

- **Piping length.** Keep field piping as short as possible.
- **Piping protection.** Protect the field piping against physical damage.

- 1 Connect the liquid refrigerant connection from the indoor unit to the liquid stop valve of the outdoor unit.



- a Liquid stop valve
- b Gas stop valve
- c Service port

- 2 Connect the gas refrigerant connection from the indoor unit to the gas stop valve of the outdoor unit.



NOTICE

It is recommended that the refrigerant piping between indoor and outdoor unit is installed in a ducting or the refrigerant piping is wrapped with finishing tape.

4.4 Checking the refrigerant piping

4.4.1 To check for leaks



NOTICE

Do NOT exceed the unit's maximum working pressure (see "PS High" on the unit name plate).



NOTICE

Make sure to use a recommended bubble test solution from your wholesaler. Do not use soap water, which may cause cracking of flare nuts (soap water may contain salt, which absorbs moisture that will freeze when the piping gets cold), and/or lead to corrosion of flared joints (soap water may contain ammonia which causes a corrosive effect between the brass flare nut and the copper flare).

- 1 Charge the system with nitrogen gas up to a gauge pressure of at least 200 kPa (2 bar). It is recommended to pressurize to 3000 kPa (30 bar) in order to detect small leaks.
- 2 Check for leaks by applying the bubble test solution to all connections.
- 3 Discharge all nitrogen gas.

4.4.2 To perform vacuum drying

- 1 Vacuum the system until the pressure on the manifold indicates -0.1 MPa (-1 bar).
- 2 Leave as is for 4-5 minutes and check the pressure:

If the pressure...	Then...
Does not change	There is no moisture in the system. This procedure is finished.
Increases	There is moisture in the system. Go to the next step.

- 3 Vacuum the system for at least 2 hours to a manifold pressure of -0.1 MPa (-1 bar).
- 4 After turning the pump OFF, check the pressure for at least 1 hour.

- 5 If you do NOT reach the target vacuum or CANNOT maintain the vacuum for 1 hour, do the following:
 - Check for leaks again.
 - Perform vacuum drying again.



NOTICE

Make sure to open the stop valves after installing the refrigerant piping and performing vacuum drying. Running the system with the stop valves closed may break the compressor.

4.5 Charging refrigerant

4.5.1 About charging refrigerant

The outdoor unit is factory charged with refrigerant, but in some cases the following might be necessary:

What	When
Charging additional refrigerant	When the total liquid piping length is more than specified (see later).
Completely recharging refrigerant	Example: ▪ When relocating the system. ▪ After a leak.

Charging additional refrigerant

Before charging additional refrigerant, make sure the outdoor unit's **external** refrigerant piping is checked (leak test, vacuum drying).



INFORMATION

Depending on the units and/or the installation conditions, it might be necessary to connect electrical wiring before you can charge refrigerant.

Typical workflow – Charging additional refrigerant typically consists of the following stages:

- 1 Determining if and how much you have to charge additionally.
- 2 If necessary, charging additional refrigerant.
- 3 Filling in the fluorinated greenhouse gases label, and fixing it to the inside of the outdoor unit.

Completely recharging refrigerant

Before completely recharging refrigerant, make sure the following is done:

- 1 All refrigerant is recovered from the system.
- 2 The outdoor unit's **external** refrigerant piping is checked (leak test, vacuum drying).
- 3 Vacuum drying on the outdoor unit's **internal** refrigerant piping is performed.



NOTICE

Before completely recharging, perform vacuum drying on the outdoor unit's **internal** refrigerant piping as well.

Typical workflow – Completely recharging refrigerant typically consists of the following stages:

- 1 Determining how much refrigerant to charge.
- 2 Charging refrigerant.
- 3 Filling in the fluorinated greenhouse gases label, and fixing it to the inside of the outdoor unit.

4.5.2 About the refrigerant

This product contains fluorinated greenhouse gases. Do NOT vent gases into the atmosphere.

Refrigerant type: R32

Global warming potential (GWP) value: 675



NOTICE

In Europe, the **greenhouse gas emissions** of the total refrigerant charge in the system (expressed as tonnes CO₂-equivalent) is used to determine the maintenance intervals. Follow the applicable legislation.

Formula to calculate the greenhouse gas emissions:
GWP value of the refrigerant × Total refrigerant charge [in kg] / 1000

Please contact your installer for more information.



WARNING: FLAMMABLE MATERIAL

The refrigerant inside this unit is mildly flammable.



WARNING

The appliance shall be stored in a room without continuously operating ignition sources (example: open flames, an operating gas appliance or an operating electric heater).



WARNING

- Do NOT pierce or burn refrigerant cycle parts.
- Do NOT use cleaning materials or means to accelerate the defrosting process other than those recommended by the manufacturer.
- Be aware that the refrigerant inside the system is odourless.



WARNING

The refrigerant inside the unit is mildly flammable, but normally does NOT leak. If the refrigerant leaks in the room and comes in contact with fire from a burner, a heater, or a cooker, this may result in fire, or the formation of a harmful gas.

Turn off any combustible heating devices, ventilate the room, and contact the dealer where you purchased the unit.

Do NOT use the unit until a service person confirms that the part from which the refrigerant leaked has been repaired.

4.5.3 To determine the additional refrigerant amount

If the total liquid piping length is...	Then...
≤10 m	Do NOT add additional refrigerant.
>10 m	R=(total length (m) of liquid piping-10 m)×0.020 R=Additional charge (kg)(rounded in units of 0.1 kg)



INFORMATION

Piping length is the one way length of liquid piping.

4.5.4 To determine the complete recharge amount



INFORMATION

If a complete recharge is necessary, the total refrigerant charge is: the factory refrigerant charge (see unit name plate) + the determined additional amount.

4.5.5 To charge additional refrigerant



WARNING

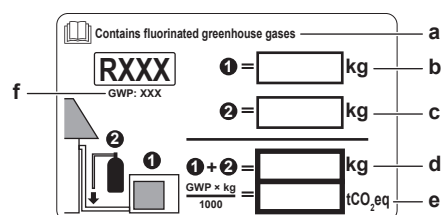
- Only use R32 as refrigerant. Other substances may cause explosions and accidents.
- R32 contains fluorinated greenhouse gases. Its global warming potential (GWP) value is 675. Do NOT vent these gases into the atmosphere.
- When charging refrigerant, ALWAYS use protective gloves and safety glasses.

Prerequisite: Before charging refrigerant, make sure the refrigerant piping is connected and checked (leak test and vacuum drying).

- Connect the refrigerant cylinder to both the service port of the gas stop valve and the service port of the liquid stop valve.
- Charge the additional refrigerant amount.
- Open the stop valves.

4.5.6 To fix the fluorinated greenhouse gases label

- Fill in the label as follows:



- If a multilingual fluorinated greenhouse gases label is delivered with the unit (see accessories), peel off the applicable language and stick it on top of a.
- Factory refrigerant charge: see unit name plate
- Additional refrigerant amount charged
- Total refrigerant charge
- Greenhouse gas emissions** of the total refrigerant charge expressed as tonnes CO₂-equivalent
- GWP = Global warming potential



NOTICE

In Europe, the **greenhouse gas emissions** of the total refrigerant charge in the system (expressed as tonnes CO₂-equivalent) is used to determine the maintenance intervals. Follow the applicable legislation.

Formula to calculate the greenhouse gas emissions:
GWP value of the refrigerant × Total refrigerant charge [in kg] / 1000

- Fix the label on the inside of the outdoor unit near the gas and liquid stop valves.

4.6 Connecting the electrical wiring



DANGER: RISK OF ELECTROCUTION



WARNING

ALWAYS use multicore cable for power supply cables.

5 Commissioning



WARNING

If the supply cord is damaged, it **MUST** be replaced by the manufacturer, its service agent or similarly qualified persons in order to avoid a hazard.



WARNING

Do **NOT** connect the power supply to the indoor unit. This could result in electrical shock or fire.



WARNING

- Do **NOT** use locally purchased electrical parts inside the product.
- Do **NOT** branch the power supply for the drain pump, etc. from the terminal block. This could result in electrical shock or fire.



WARNING

Keep the interconnection wiring away from copper pipes without thermal insulation as such pipes will be very hot.

4.6.1 Guidelines when connecting the electrical wiring

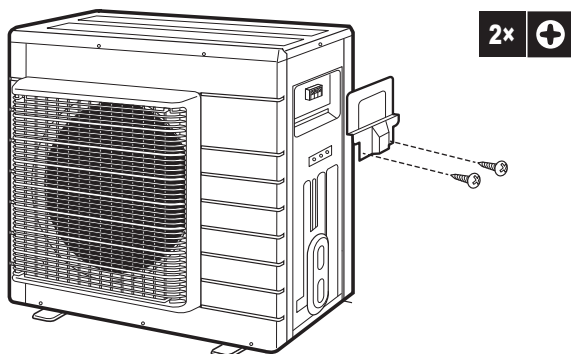
- If single-core wires are used, be sure to curl the end of the lead. Improper work may cause heat or fire.
- The earth wire between the pull relief and the terminal must be longer than the other wires.

4.6.2 Specifications of standard wiring components

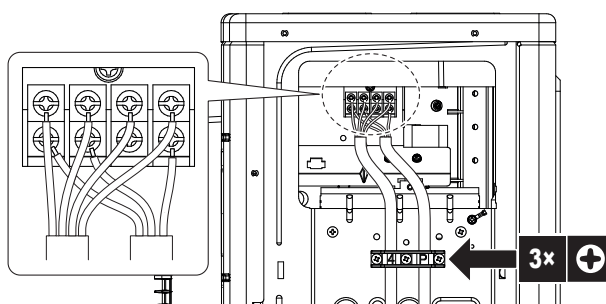
Component		
Power supply cable	Voltage	220~240 V
	Phase	1~
	Frequency	50 Hz
	Wire sizes	MUST comply with applicable legislation
Interconnection cable (indoor↔outdoor)		4-core cable ≥1.5 mm ² and applicable for 220~240 V
Recommended field fuse		15 A
Earth leakage circuit breaker		MUST comply with applicable legislation

4.6.3 To connect the electrical wiring on the outdoor unit

- Remove the service cover. See "4.1.1 To open the outdoor unit" on page 7.
- Remove the switch box cover.



- Open the wire clamp.
- Connect the interconnection cable and power supply as follows:

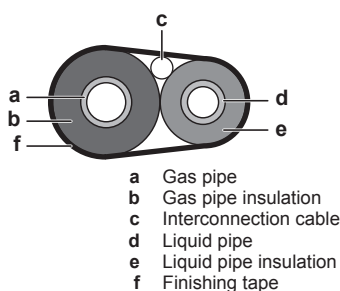


- Tighten the terminal screws securely. We recommend using a Phillips screwdriver.
- Install the switch box cover.
- Install the service cover.

4.7 Finishing the outdoor unit installation

4.7.1 To finish the outdoor unit installation

- Insulate and fix the refrigerant piping and interconnection cable as follows:



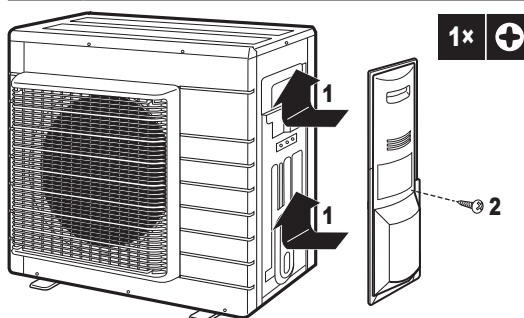
- Install the service cover.

4.7.2 To close the outdoor unit



NOTICE

When closing the outdoor unit cover, make sure that the tightening torque does **NOT** exceed 4.1 N•m.



5 Commissioning



NOTICE

NEVER operate the unit without thermistors and/or pressure sensors/switches. Burning of the compressor might result.

5.1 Checklist before commissioning

Do **NOT** operate the system before the following checks are OK:

☐	The indoor unit is properly mounted.
☐	The outdoor unit is properly mounted.
☐	The system is properly earthed and the earth terminals are tightened.
☐	The fuses or locally installed protection devices are installed according to this document, and have NOT been bypassed.
☐	The power supply voltage matches the voltage on the identification label of the unit.
☐	There are NO loose connections or damaged electrical components in the switch box.
☐	There are NO damaged components or squeezed pipes on the inside of the indoor and outdoor units.
☐	There are NO refrigerant leaks .
☐	The refrigerant pipes (gas and liquid) are thermally insulated.
☐	The correct pipe size is installed and the pipes are properly insulated.
☐	The stop valves (gas and liquid) on the outdoor unit are fully open.
☐	The following field wiring has been carried out according to this document and the applicable legislation between the outdoor unit and the indoor unit.
☐	Drainage Make sure drainage flows smoothly. Possible consequence: Condensate water might drip.
☐	The indoor unit receives the signals of the user interface .
☐	The specified wires are used for the interconnection cable .

5.2 Checklist during commissioning

☐	To perform an air purge .
☐	To perform a test run .

5.3 To perform a test run

Prerequisite: Power supply MUST be in the specified range.

Prerequisite: Test run may be performed done in cooling or heating mode.

Prerequisite: Test run should be performed in accordance with the operation manual of the indoor unit to make sure that all functions and parts are working properly.

- 1 In cooling mode, select the lowest programmable temperature. In heating mode, select the highest programmable temperature. Test run can be disabled if necessary.
- 2 When the test run is finished, set the temperature to a normal level. In cooling mode: 26~28°C, in heating mode: 20~24°C.
- 3 The system stops operating 3 minutes after turning the unit OFF.



INFORMATION

- Even if the unit is turned OFF, it consumes electricity.
- When the power turns back on after a power break, the previously selected mode will be resumed.

5.4 Starting up the outdoor unit

See the indoor unit installation manual for configuration and commissioning of the system.

6 Disposal



NOTICE

Do NOT try to dismantle the system yourself: the dismantling of the system, treatment of the refrigerant, oil and other parts MUST comply with applicable legislation. Units MUST be treated at a specialised treatment facility for reuse, recycling and recovery.

6.1 Overview: Disposal

Typical workflow

Disposing of the system typically consists of the following stages:

- 1 Pumping down the system.
- 2 Bringing the system to a specialized treatment facility.



INFORMATION

For more details, see the service manual.

6.2 To pump down



DANGER: RISK OF EXPLOSION

Pump down – Refrigerant leakage. If you want to pump down the system, and there is a leakage in the refrigerant circuit:

- Do NOT use the unit's automatic pump down function, with which you can collect all refrigerant from the system into the outdoor unit. **Possible consequence:** Self-combustion and explosion of the compressor because of air going into the operating compressor.
- Use a separate recovery system so that the unit's compressor does NOT have to operate.



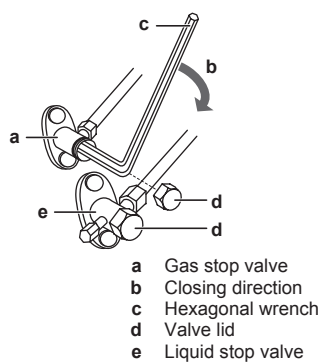
NOTICE

During pump down operation, stop the compressor before removing the refrigerant piping. If the compressor is still running and the stop valve is open during pump down, air will be sucked into the system. Compressor breakdown or damage to the system can result due to abnormal pressure in the refrigerant cycle.

Pump down operation will extract all refrigerant from the system into the outdoor unit.

- 1 Remove the valve lid from the liquid stop valve and the gas stop valve.
- 2 Carry out the forced cooling operation. See ["6.3 To start and stop forced cooling" on page 14](#).
- 3 After 5 to 10 minutes (after only 1 or 2 minutes in case of very low ambient temperatures (<-10°C)), close the liquid stop valve with a hexagonal wrench.
- 4 Check on the manifold if the vacuum is reached.
- 5 After 2-3 minutes, close the gas stop valve and stop forced cooling operation.

6 Disposal



6.3 To start and stop forced cooling

There are 2 methods to perform forced cooling operation:

- using the indoor unit ON/OFF switch (if present on the indoor unit).
- using the indoor unit user interface.

Method 1: Using the indoor unit ON/OFF switch

- 1 Press the ON/OFF switch for at least 5 seconds.

Result: Operation will start.

Result: Forced cooling stops automatically after 15 minutes.

- 2 To stop operation, press the ON/OFF switch.

Method 2: Using the indoor unit user interface

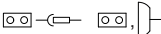
- 3 Set the operation mode to **cooling**.

For the procedure, refer to the chapter "To perform a test run" in the installation manual of the indoor unit.

7 Technical data

A **subset** of the latest technical data is available on the regional Daikin website (publicly accessible). The **full set** of latest technical data is available on the Daikin extranet (authentication required).

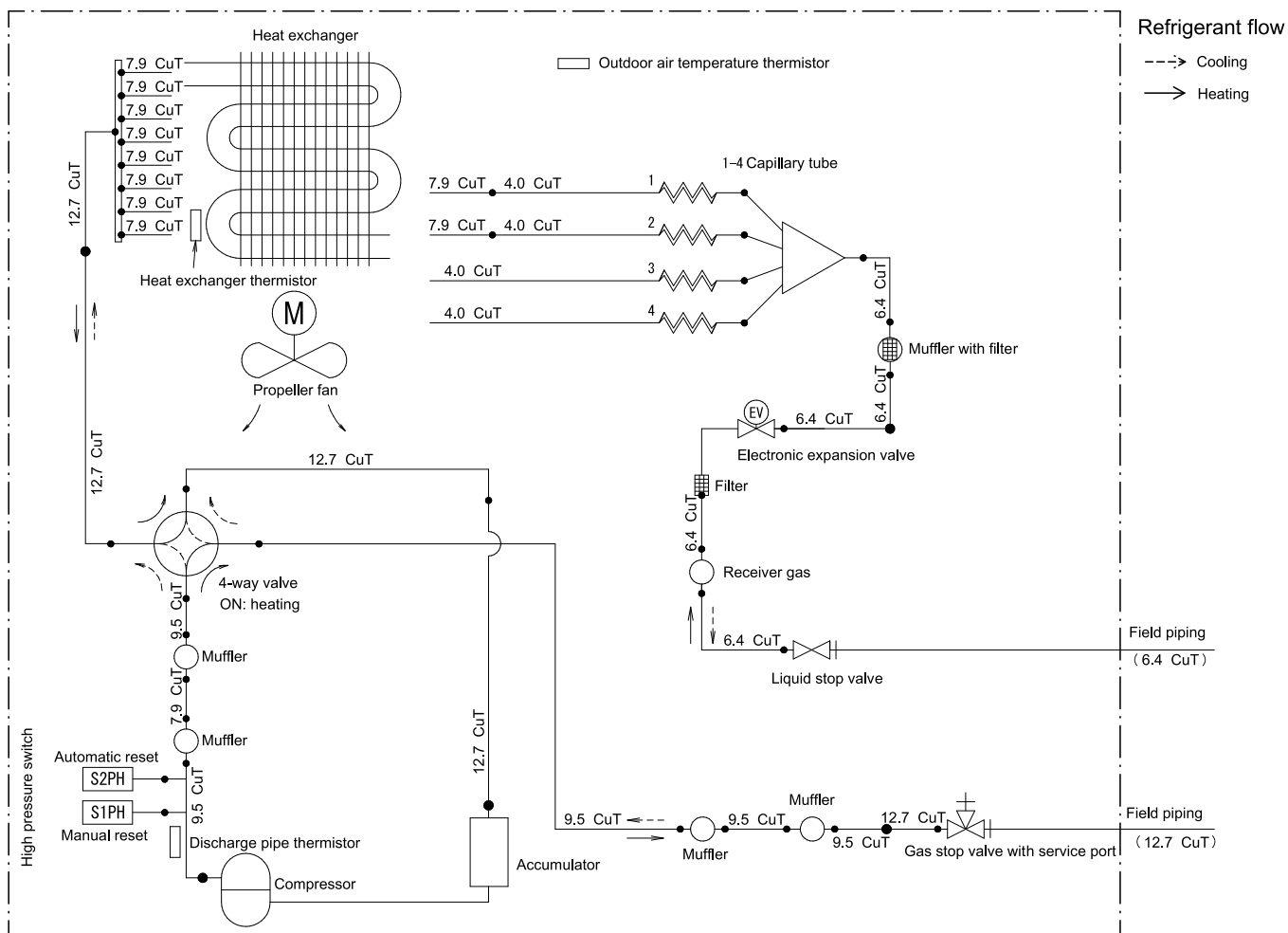
7.1 Wiring diagram

Unified Wiring Diagram Legend					
For applied parts and numbering refer to the wiring diagram sticker supplied on the unit. Part numbering is realized by Arabic numbers in ascending order for each part and is represented in the overview below by symbol "##" in the part code.					
	:	CIRCUIT BREAKER		:	PROTECTIVE EARTH
	:	CONNECTION		:	PROTECTIVE EARTH (SCREW)
	:	CONNECTOR		:	RECTIFIER
	:	EARTH		:	RELAY CONNECTOR
	:	FIELD WIRING		:	SHORT CIRCUIT CONNECTOR
	:	FUSE		:	TERMINAL
	:	INDOOR UNIT		:	TERMINAL STRIP
	:	OUTDOOR UNIT		:	WIRE CLAMP
BLK : BLACK	GRN : GREEN	PNK : PINK	WHT : WHITE		
BLU : BLUE	GRY : GREY	PRP,PPL : PURPLE	YLW : YELLOW		
BRN : BROWN	ORG : ORANGE	RED : RED			
A*P	:	PRINTED CIRCUIT BOARD	PS	:	SWITCHING POWER SUPPLY
BS*	:	PUSH BUTTON ON / OFF, OPERATION SWITCH	PTC*	:	THERMISTOR PTC
BZ, H*O	:	BUZZER	Q*	:	INSULATED GATE BIPOLAR TRANSISTOR (IGBT)
C*	:	CAPACITOR	Q*DI	:	EARTH LEAK CIRCUIT BREAKER
AC*, CN*, E*, HA*, HE, HL*, HN*, HR*, MR*_A, MR*_B, S*, U, V, W, X*A, K*R_*	:	CONNECTION, CONNECTOR	Q*L	:	OVERLOAD PROTECTOR
D*, V*D	:	DIODE	Q*M	:	THERMO SWITCH
DB*	:	DIODE BRIDGE	R*	:	RESISTOR
DS*	:	DIP SWITCH	R*T	:	THERMISTOR
E*H	:	HEATER	RC	:	RECEIVER
F*U, FU* (FOR CHARACTERISTICS REFER TO PCB INSIDE YOUR UNIT)	:	FUSE	S*C	:	LIMIT SWITCH
FG*	:	CONNECTOR (FRAME GROUND)	S*L	:	FLOAT SWITCH
H*	:	HARNESS	S*NPH	:	PRESSURE SENSOR (HIGH)
H*P, LED*, V*L	:	PILOT LAMP, LIGHT EMITTING DIODE	S*NPL	:	PRESSURE SENSOR (LOW)
HAP	:	LIGHT EMITTING DIODE (SERVICE MONITOR GREEN)	S*PH, HPS*	:	PRESSURE SWITCH (HIGH)
HIGH VOLTAGE	:	HIGH VOLTAGE	S*PL	:	PRESSURE SWITCH (LOW)
IES	:	INTELLIGENT EYE SENSOR	S*T	:	THERMOSTAT
IPM*	:	INTELLIGENT POWER MODULE	S*W, SW*	:	OPERATION SWITCH
K*R, KCR, KFR, KHuR, K*M	:	MAGNETIC RELAY	SA*, F1S	:	SURGE ARRESTOR
L	:	LIVE	SR*, WLU	:	SIGNAL RECEIVER
L*	:	COIL	SS*	:	SELECTOR SWITCH
L*R	:	REACTOR	SHEET METAL	:	TERMINAL STRIP FIXED PLATE
M*	:	STEPPER MOTOR	T*R	:	TRANSFORMER
M*C	:	COMPRESSOR MOTOR	TC, TRC	:	TRANSMITTER
M*F	:	FAN MOTOR	V*, R*V	:	VARISTOR
M*P	:	DRAIN PUMP MOTOR	V*R	:	DIODE BRIDGE
M*S	:	SWING MOTOR	WRC	:	WIRELESS REMOTE CONTROLLER
MR*, MRCW*, MRM*, MRN*	:	MAGNETIC RELAY	X*	:	TERMINAL
N	:	NEUTRAL	X*M	:	TERMINAL STRIP (BLOCK)
n = *, N=*	:	NUMBER OF PASSES THROUGH FERRITE CORE	Y*E	:	ELECTRONIC EXPANSION VALVE COIL
PAM	:	PULSE-AMPLITUDE MODULATION	Y*R, Y*S	:	REVERSING SOLENOID VALVE COIL
PCB*	:	PRINTED CIRCUIT BOARD	Z*C	:	FERRITE CORE
PM*	:	POWER MODULE	ZF, Z*F	:	NOISE FILTER

7 Technical data

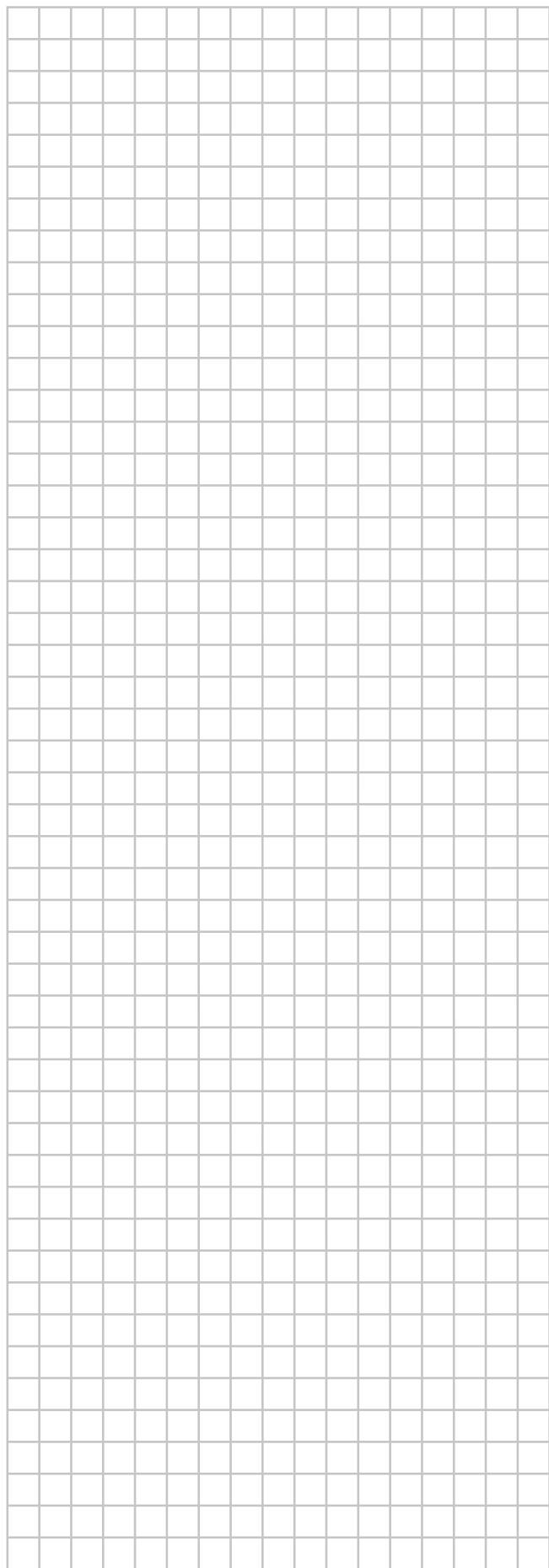
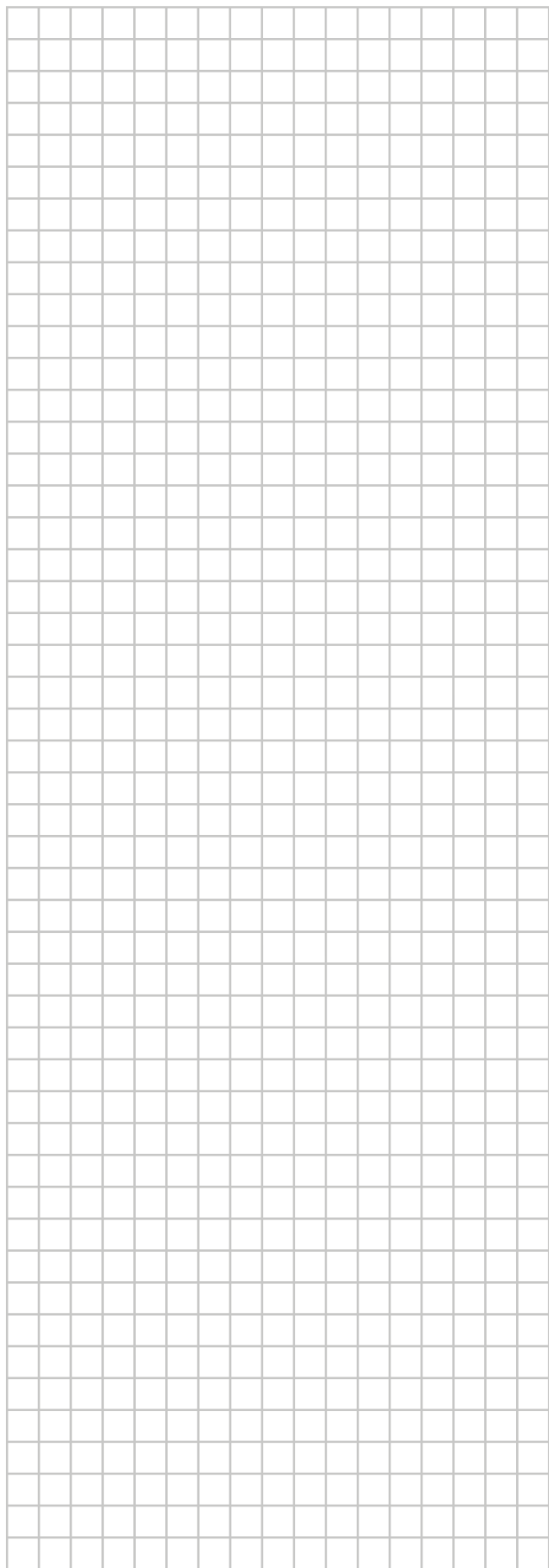
7.2 Piping diagram

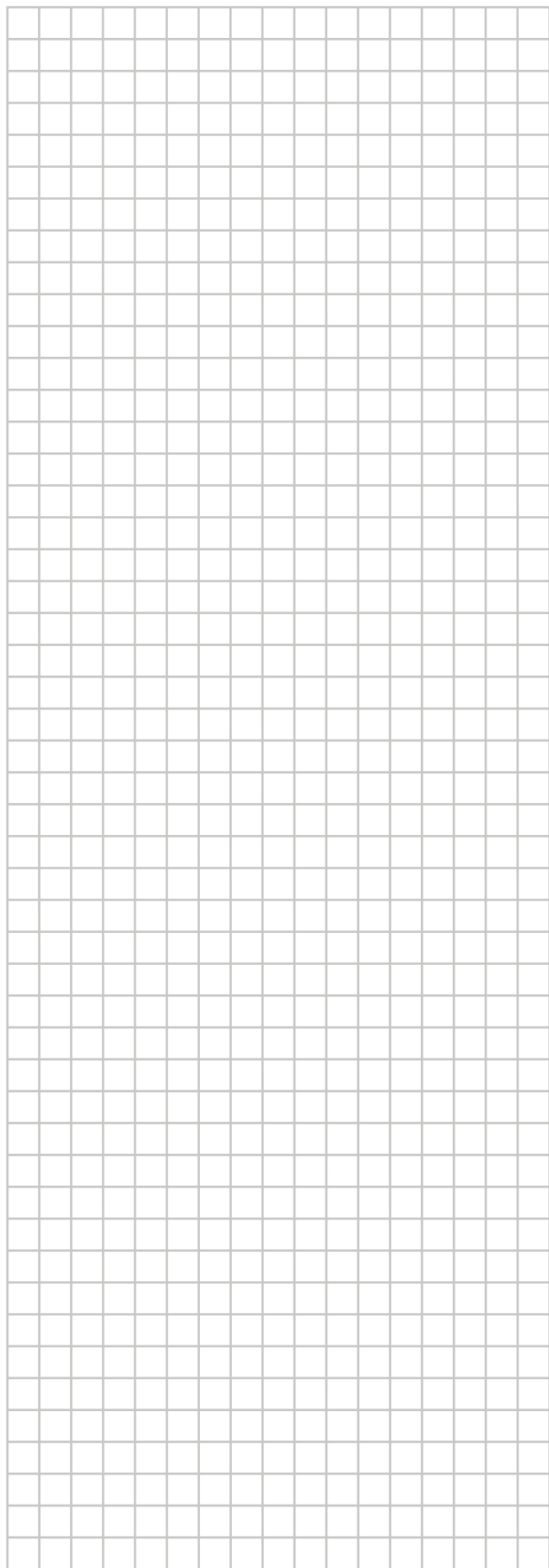
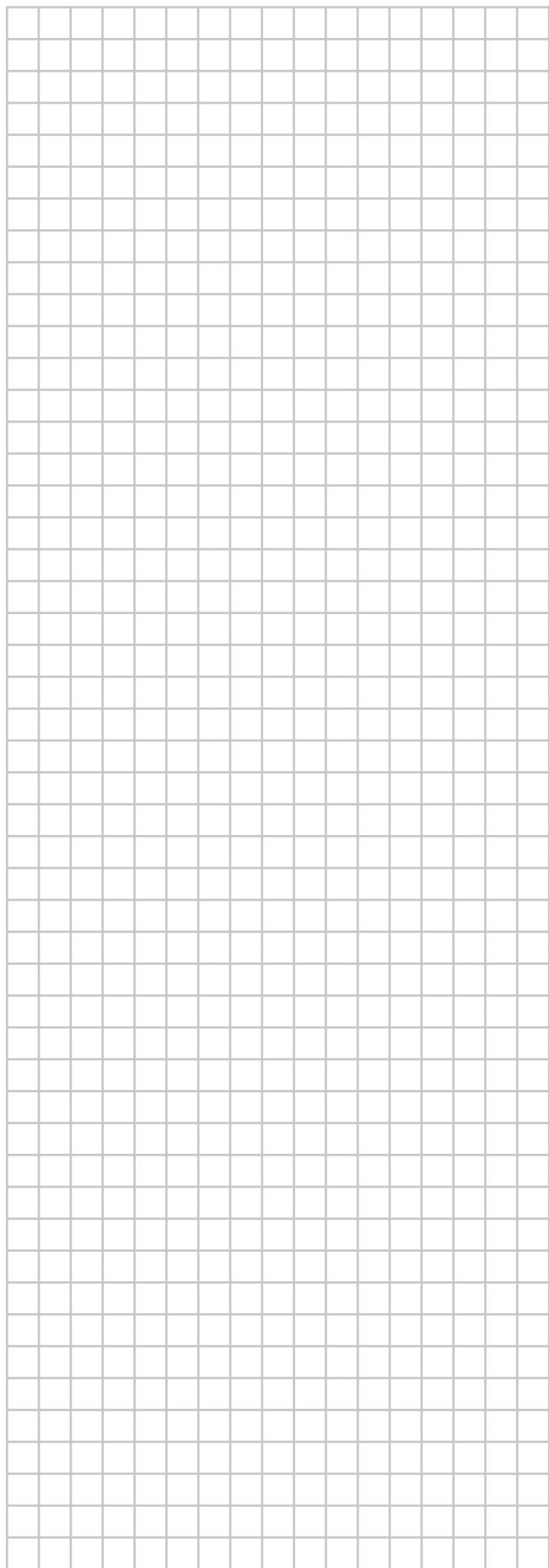
7.2.1 Piping diagram: Outdoor unit RXF60A2V1B

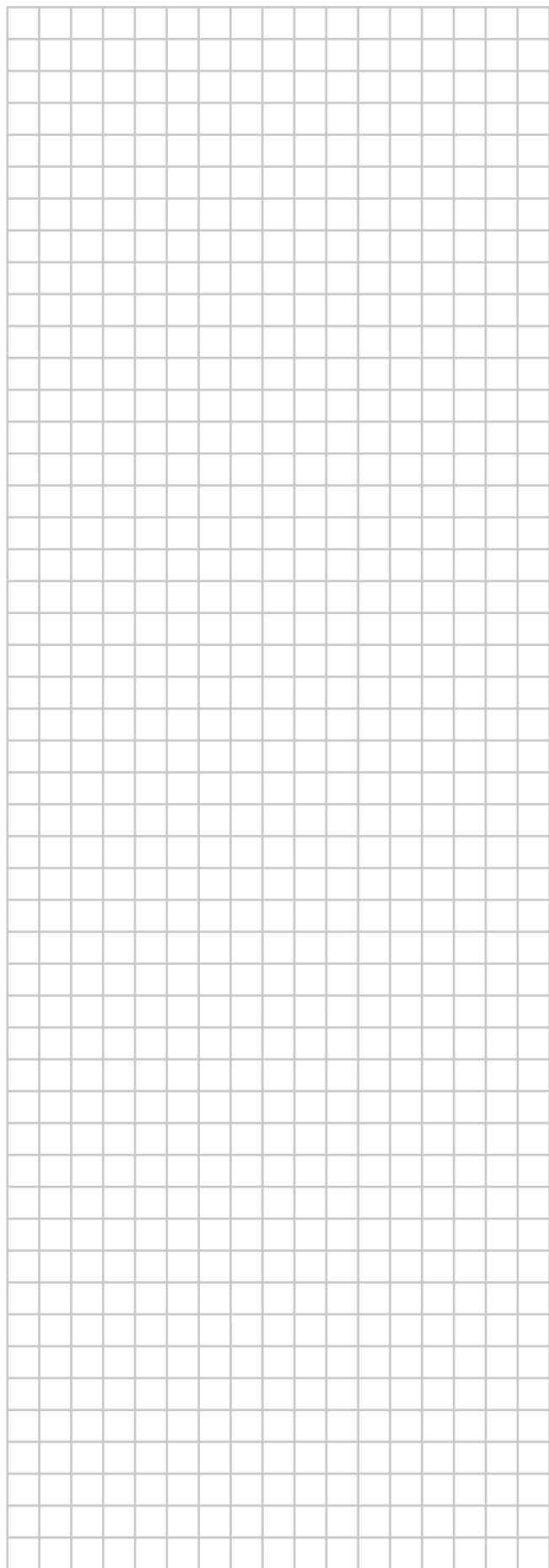
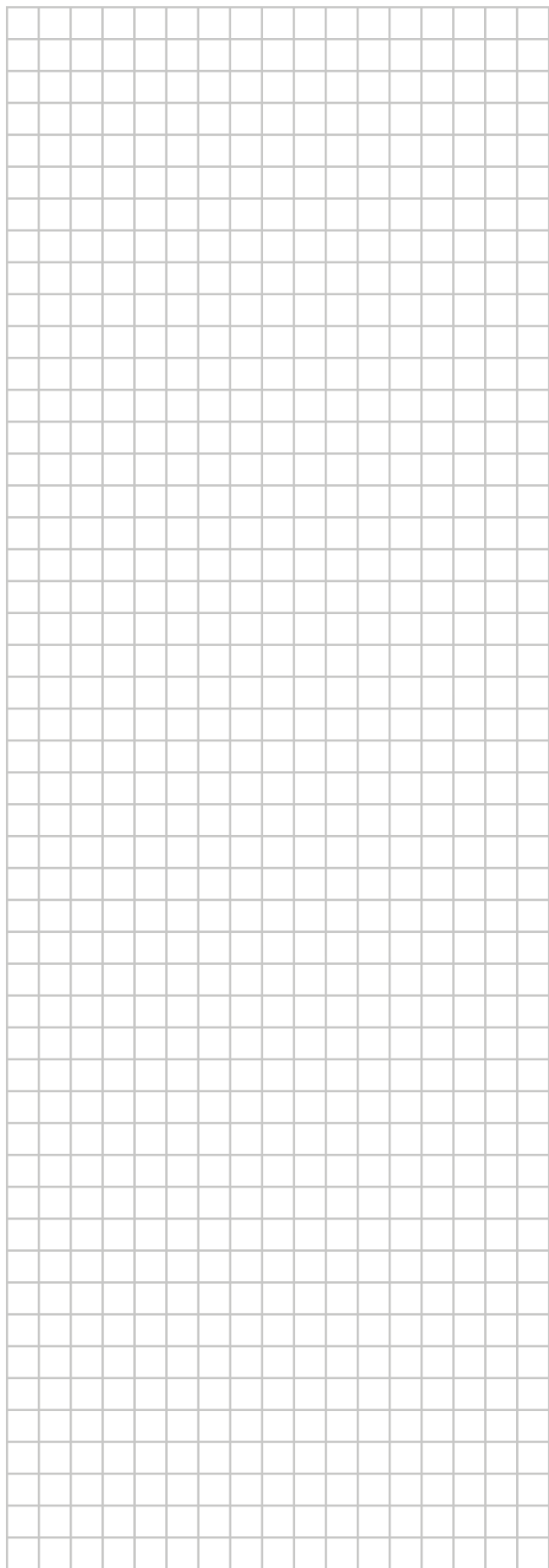


PED categories of equipment - High pressure switches: category IV; Compressor: category II; Other art. 4§3 equipment.

Note: When the high pressure switch is activated it must be reset manually by a qualified person.









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