

**Logbook**

**Refrigeration system/**

**Heat pump**

Installation number

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# General information refrigeration system

**DETAILS OWNER/OPERATOR**

|  |  |
| --- | --- |
| Name |  |
| Address |  |
| ZIP code + city |  |
| Post box |  |
| ZIP code post box |  |
| Phone number |  |
| Email |  |
| Name of contact person |  |

**DETAILS SUPPLIER/CONTRACTOR** (system commissioning)

|  |  |
| --- | --- |
| F gas company certification no |  |
| Name |  |
| Address |  |
| ZIP code + city |  |
| Phone number |  |
| Email |  |
| Name of contact person |  |
| Order no |  |

**DETAILS CONTRACTOR** (periodical check-up/maintenance of the system)

|  |  |
| --- | --- |
| F gas company certification no |  |
| Name |  |
| Address |  |
| ZIP code + city |  |
| Phone number |  |
| Email |  |
| Name of contact person |  |
| Maintenance contract no |  |

**DETAILS CONTRACTOR** (system disassembly / demolition)\*

|  |  |
| --- | --- |
| F gas company certification no |  |
| Name |  |
| Address |  |
| ZIP code + city |  |
| Phone number |  |
| Email address |  |
| Name of contact person |  |
| Order no |  |

\*Logbook should be retained at least 5 years after demolition by owner/operator.

**DETAILS REFRIGERANT SYSTEM**(this information should be revised after system changes)

|  |  |  |  |
| --- | --- | --- | --- |
| Identification no / refrigeration system: |  | | |
| Design data: | | | |
|  | Room temperature |  | °C |
|  | Evaporation temperature |  | °C |
|  | Evaporation pressure |  | bar/kPa1 |
|  | Condensation temperature |  | °C |
|  | Condensation pressure |  | bar/kPa1 |
|  | Ambient temperature |  | °C |
| Purpose of use: |  | | |
| Type of refrigerant: | R | | |
| Refrigerant volume circuit 1 |  | kg | |
| Refrigerant volume circuit 1 |  | tons CO2 equivalent | |
| Refrigerant volume circuit 2 |  | kg | |
| Refrigerant volume circuit 2 |  | tons CO2 equivalent | |
| Refrigerant volume circuit 3 |  | kg | |
| Refrigerant volume circuit 3 |  | tons CO2 equivalent | |
| Refrigerant volume circuit 4 |  | kg | |
| Refrigerant volume circuit 4 |  | tons CO2 equivalent | |
| Maximum liquid vessel volume: |  | kg | |
| Max. acceptable working pressure HP-side: |  | bar/kPa1 | |
| Max. acceptable working pressure LP-side: |  | bar/kPa1 | |
| PED category 1: | I II III IV | | |

1 Strike out if not applicable.

**REQUIRED PROOF/DOCUMENTS**

|  |  |
| --- | --- |
| Law-Norm | Document – proof |
| F-gas directive and national law | * Work registration |
| * Leak tightness certificate |
| Pressure Equipment Directive (PED) and national law - EN378 and national norms | * Proof of pressure test |
| * Proof of vacuum and filling procedure |
| * User manual |
| * Technical refrigeration scheme (applicable to installations in PED category II or higher) |
| * Declaration of conformity (applicable to installations in PED category II or higher) |

**SIGNATURE**

|  |  |  |
| --- | --- | --- |
| Signature of owner / operator | Signature certified technician | Certification no of technician |
|  |  |  |

# Registration of management

**COMPLETE OVERVIEW OF PERFORMED WORK 1 (1 of 3)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Certification no | Work order no | Nature and reason for the work 2   * Installation (new system) of a refrigeration system * Periodic maintenance * Repairs / service * Check within 1 month after repairs * Leak tightness check * Adding new, recycled or reclaimed refrigerant * If filled or refilled with recycled or regenerated refrigerant, the name and address of the recycling or regeneration company must be noted in this column (and if applicable the certificate number) * Long periods of inactivity of the installation * Disassembly / demolition refrigeration system and the measures that have been taken to recover and dispose of the refrigerant. | Refrigerant in kg | |
| Added | Drained |
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1 Registration of management must correspond with the work orders present.

2 With every visit to the system, the performed activities must be noted and can be referenced to the individual work orders, if present.

**COMPLETE OVERVIEW OF PERFORMED WORK 1 (2 of 3)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Certification no | Work order no | Nature and reason for the work 2   * Installation (new system) of a refrigeration system * Periodic maintenance * Repairs / service * Check within 1 month after repairs * Leak tightness check * Adding new, recycled or reclaimed refrigerant * If filled or refilled with recycled or regenerated refrigerant, the name and address of the recycling or regeneration company must be noted in this column (and if applicable the certificate number) * Long periods of inactivity of the installation * Disassembly / demolition refrigeration system and the measures that have been taken to recover and dispose of the refrigerant. | Refrigerant in kg | |
| Added | Drained |
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1 Registration of management must correspond with the work orders present.

2 With every visit to the system, the performed activities must be noted and can be referenced to the individual work orders, if present.

**COMPLETE OVERVIEW OF PERFORMED WORK 1 (3 of 3)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Date | Certification no | Work order no | Nature and reason for the work 2   * Installation (new system) of a refrigeration system * Periodic maintenance * Repairs / service * Check within 1 month after repairs * Leak tightness check * Adding new, recycled or reclaimed refrigerant * If filled or refilled with recycled or regenerated refrigerant, the name and address of the recycling or regeneration company must be noted in this column (and if applicable the certificate number) * Long periods of inactivity of the installation * Disassembly / demolition refrigeration system and the measures that have been taken to recover and dispose of the refrigerant. | Refrigerant in kg | |
| Added | Drained |
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1 Registration of management must correspond with the work orders present.

2 With every visit to the system, the performed activities must be noted and can be referenced to the individual work orders, if present.

# Work registration (work orders)

# Leak tightness certificate

# Proof of pressure test

# Proof of vacuum and filling procedure

# Piping and Instrumentation Diagram (applicable to installations in PED category II or higher)

# Declaration of conformity (applicable to installations in PED category II or higher)

# User manual

# Maintenance form of leakage detection system

**(obligatory by law if present)**

# Other subjects