



# Rittal GmbH & Co. KG

AUF DEM STÜTZELBERG  
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<http://www.rittal.com>



|                                     |  |  |                                                       |  |
|-------------------------------------|--|--|-------------------------------------------------------|--|
| MODEL : SK3434.450                  |  |  | POWER SUPPLY : 380-415V 3 50Hz / 440-480V 3 60Hz [TX] |  |
| Blue e+ Chiller 7kW R1234yf         |  |  | :                                                     |  |
| DRAWING NUMBER : FP25081 -          |  |  | REFRIGERANT : R1234yf                                 |  |
|                                     |  |  | CUSTOMER :                                            |  |
|                                     |  |  | REFERENCE :                                           |  |
|                                     |  |  | CONTROL PANEL PART NR :                               |  |
| CREATED THE : lun/09/06/2025 BY TG1 |  |  |                                                       |  |
| CHANGED ON THE :                    |  |  | NUMBER OF PAGES 5                                     |  |
| BY                                  |  |  |                                                       |  |



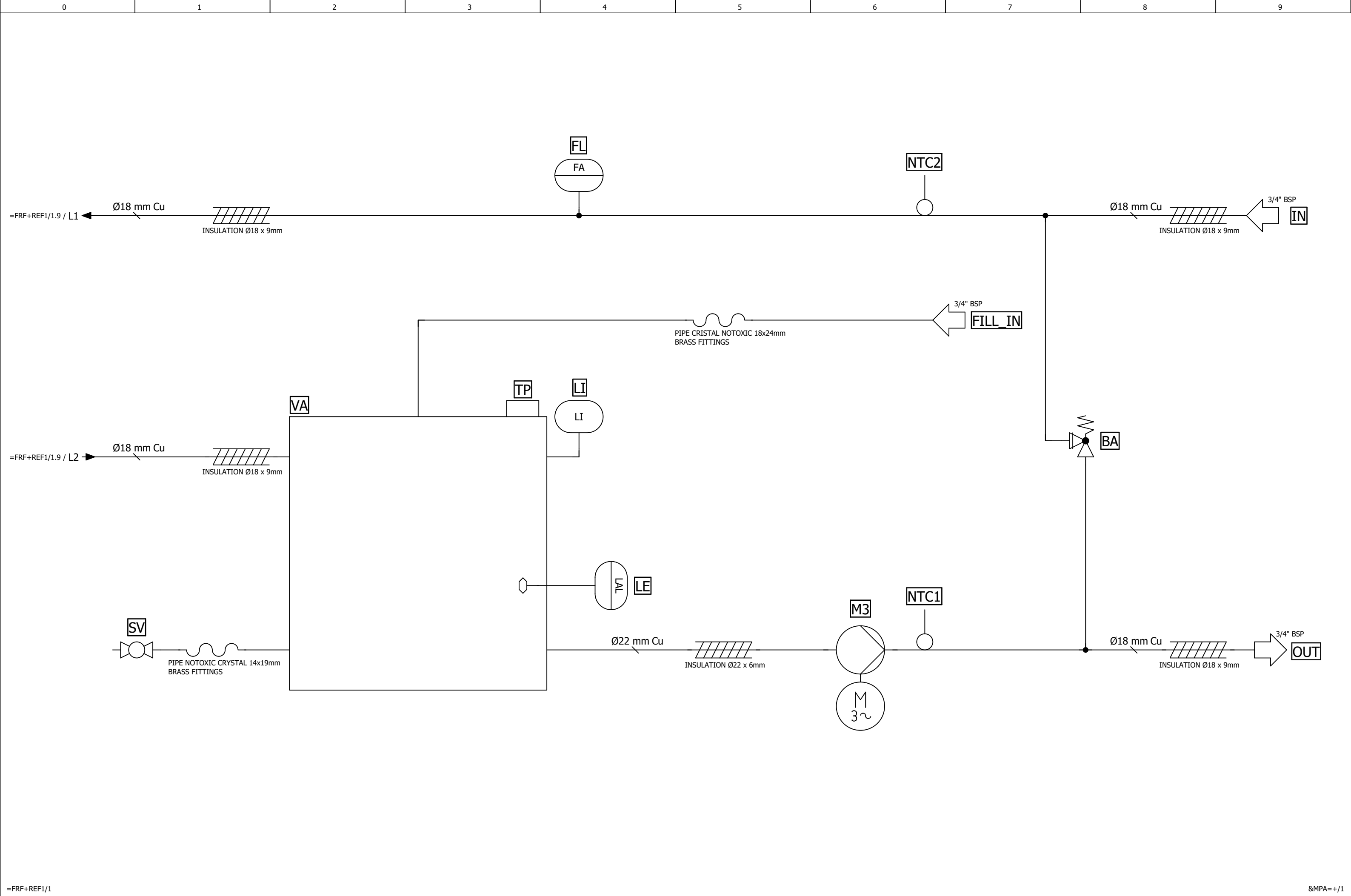
PAGE OVERVIEW

2LP8\_PAGKEL\_ST

| DOCUMENT TYPE | FUNCTION DEFINITION | LOCATION DESIGNATION | PAGE | PAGE DESCRIPTION    | DATE REVISION  | EDITED BY |
|---------------|---------------------|----------------------|------|---------------------|----------------|-----------|
| &AAA          |                     |                      | 1    | COVER               | lun/02/02/2026 | TG1       |
| &AAB          |                     |                      | 1    | PAGE OVERVIEW       | gio/28/05/2026 | TG1       |
| &MFS          | =FRF                | +REF1                | 1    | REFRIGERANT CIRCUIT | gio/28/05/2026 | TG1       |
| &MFS          | =FHY                | +HYD1                | 1    | HYDRAULIC CIRCUIT   | gio/28/05/2026 | TG1       |
| &MPA          |                     |                      | 1    | BILL OF MATERIAL    | gio/28/05/2026 | TG1       |







|             |  |     |        |  |                |  |                                                                                     |                         |  |                                                                |  |  |  |                               |  |                      |  |       |
|-------------|--|-----|--------|--|----------------|--|-------------------------------------------------------------------------------------|-------------------------|--|----------------------------------------------------------------|--|--|--|-------------------------------|--|----------------------|--|-------|
| =FRF+REF1/1 |  |     |        |  |                |  |                                                                                     | =MPA=+/1                |  |                                                                |  |  |  |                               |  |                      |  |       |
| CREATED BY  |  | TG1 | ON THE |  | lun/09/06/2025 |  |  | RITTAL<br>GmbH & Co. KG |  | SK3434.450<br>Blue e+ Chiller 7kW R1234yf<br>HYDRAULIC CIRCUIT |  |  |  | DRAWING NUMBER                |  | FP25081              |  | = FHY |
| REVISOR     |  |     | ON THE |  | LAST REVISION  |  |                                                                                     |                         |  |                                                                |  |  |  | REFRIGERANT                   |  | R1234yf              |  | 1     |
|             |  |     |        |  |                |  |                                                                                     |                         |  |                                                                |  |  |  | 2LP8_CARTRIT_FLUID 09.10.2017 |  | EPLAN Fluid 2025.0.3 |  | 1     |



BILL OF MATERIALS

2LP8\_RICKEL\_ST

| DESIGNATION | AMOUNT | ARTICLE NUMBER   | DESIGNATION 1                            | MANUFACTURER                 | INTERNAL NO | PAGE / PATH       |
|-------------|--------|------------------|------------------------------------------|------------------------------|-------------|-------------------|
| BA          | 1      | 681182012        | DISCHARGE VALVE 90° 1/2" BRONZE          | VAPORUSA SPA                 | 900471      | &MFS=FHY+HYD1/1.8 |
| BC          | 1      | A101919          | Microchannel Condenser 7,0 KW            | DUNAN                        | 347141      | &MFS=FRF+REF1/1.4 |
| FI          | 1      | DTG-B03101-902   | FILTRO DEIDRATORE DTG-B03101-902         | SANHUA                       | 220307      | &MFS=FRF+REF1/1.2 |
| LI          | 1      | HCX.76-INOX      | SIGHY LEVEL ELESА HCX.76-STAINST         | ELESА SPA                    | 902343      | &MFS=FHY+HYD1/1.4 |
| M1          | 1      | SJB220 BLDC      | ROTARY COMPRESSOR MITSUBISHI SJB220 BLDC | MITSUBISHI                   | 347137      | &MFS=FRF+REF1/1.7 |
| M2          | 1      | R3G280RM2105     | RADIAL FAN R3G280RM2105 DC48V            | EBMPAPST SRL                 | 334353      | &MFS=FRF+REF1/1.5 |
| M3          | 1      | CM1-5            | PUMP CM 1-5 ARAV-AQQV-JAAN               | GRUNDFOS POMPE ITALIA S.R.L. | 339343      | &MFS=FHY+HYD1/1.6 |
| M21         | 1      | R3G280RM2105     | RADIAL FAN R3G280RM2105 DC48V            | EBMPAPST SRL                 | 334353      | &MFS=FRF+REF1/1.4 |
| PHE         | 1      | A082685          | PHE Kelvion GKE 228H-34 (MA1-MF1-P2) X   | KELVION                      | 338778      | &MFS=FRF+REF1/1.5 |
| SV          | 1      | 1032404          | SHUTTER VALVE M1/2"                      | OVENTROP SRL                 | 925478      | &MFS=FHY+HYD1/1.1 |
| VA          | 1      | A095105          | Plastic Tank Tray 12 l                   | ROTH PLASTIC TECHNOLOGY      | 344056      | &MFS=FHY+HYD1/1.2 |
| Y1          | 1      | A092188          | ELECTRONIC VALVE DPF-T01018-008-RK3      | SANHUA                       | 347140      | &MFS=FRF+REF1/1.3 |
| Y1          | 1      | A05723004        | ELECTR. EXPANSION COIL PQ-M10012-000270  | SANHUA                       | 334366      | &MFS=FRF+REF1/1.3 |
| F2          | 1      | A055017          | HIGH PRESSURE SWITCH 25 bar type 1       | WILSPEC                      | 334358      | &MFS=FRF+REF1/1.7 |
| FL          | 1      | VVXA1ENAU1002514 | FLUSSIMETRO SIKА VVXA1ENAU1002514 3/4"   | SIKA SYSTEMTECHNIK           | 346593      | &MFS=FHY+HYD1/1.4 |
| LE          | 1      | P520AH-024/2     | LIVELLOSTATO EUROSВITCH P520AH-024/2)    | EUROSВITCH                   | 340313      | &MFS=FHY+HYD1/1.4 |

&MFS=FHY+HYD1/1

|            |     |        |                |
|------------|-----|--------|----------------|
| CREATED BY | TG1 | ON THE | lun/09/06/2025 |
| REVISOR    |     | ON THE | LAST REVISION  |



RITTAL  
GmbH & Co. KG

SK3434.450  
Blue e+ Chiller 7kW R1234yf  
BILL OF MATERIAL

|                |         |   |
|----------------|---------|---|
| DRAWING NUMBER | FP25081 | = |
| REFRIGERANT    | R1234yf | + |
|                |         | 1 |
|                |         | 1 |

2LP8\_CARTRIT\_FLUID 09.10.2017

EPLAN Fluid 2025.0.3