

|                      |                |                   |
|----------------------|----------------|-------------------|
| Customer :           | Item :         |                   |
| Customer contact :   | Date :         | 8/29/2024         |
| email :              | Your contact : | info@f2komplex.hu |
| Customer reference : | email :        | info@f2komplex.hu |
| Model : SE 0070+     |                |                   |

| OPERATING CONDITION   |                   | COLD SIDE |  | HOT SIDE |  |
|-----------------------|-------------------|-----------|--|----------|--|
| Fluids                |                   | Water     |  | Water    |  |
| Inlet flow rates      | m <sup>3</sup> /h | 17.43     |  | 17.50    |  |
| INLET temperatures    | °C                | 40.0      |  | 70.0     |  |
| OUTLET temperatures   | °C                | 60.0      |  | 50.0     |  |
| Pressure drop (calc.) | kPa               | 15.72     |  | 15.73    |  |
| Operating pressure    | bar G             | 5.000     |  | 5.000    |  |
| Capacity              | kW                | 400.00    |  |          |  |
| Total oversizing      | %                 | 0.13      |  |          |  |

## FLUID PROPERTIES

|                        |                   |        |        |
|------------------------|-------------------|--------|--------|
| Density                | kg/m <sup>3</sup> | 988.25 | 983.41 |
| Specific heat capacity | J/(kg K)          | 4180   | 4184   |
| Thermal conductivity   | W/(m K)           | 0.644  | 0.655  |
| Dynamic viscosity      | cP                | 0.5470 | 0.4665 |

## PRODUCT CONFIGURATION

|                                        |                                 |                  |
|----------------------------------------|---------------------------------|------------------|
| Product code                           | SE#0070+061A00PNPV0JJ11         |                  |
| Frame material                         | Carbon steel                    |                  |
| Plates (material / thickness)          | AISI 316L (EN 1.4404) / 0.4 mm  |                  |
| Gaskets (material / type)              | NBR / Glue-free Plug-In® design |                  |
| Connections size                       | DN50                            | DN50             |
| Connections type                       | Threaded nozzles                | Threaded nozzles |
| Connections material                   | AISI 316                        | AISI 316         |
| Fluids position (inlet -> outlet)      | F3 -> F4                        | F1 -> F2         |
| No. of passes                          | 1                               | 1                |
| Relative directions of fluids          | Counter Current                 |                  |
| Max. number of plates allowed on frame | 71                              |                  |

## DESIGN

|                                       |                          |         |
|---------------------------------------|--------------------------|---------|
| Design standard                       | PED 2014/68/EU           |         |
| PED risk category                     | Art. 4.3 (Gr. 2 - L) / - |         |
| Pressure (design / test)              | bar                      | 10 / 15 |
| Temperature (min / design)            | °C                       | 0 / 70  |
| Volume (each side)                    | l                        | 6.9     |
| Specific compliance and certification | -                        |         |

## DIMENSIONS AND WEIGHT

|                                              |    |                 |
|----------------------------------------------|----|-----------------|
| Overall dimensions (width x height x length) | mm | 310 x 678 x 548 |
| Weight (empty / operating)                   | kg | 100 / 113       |

## REMARKS

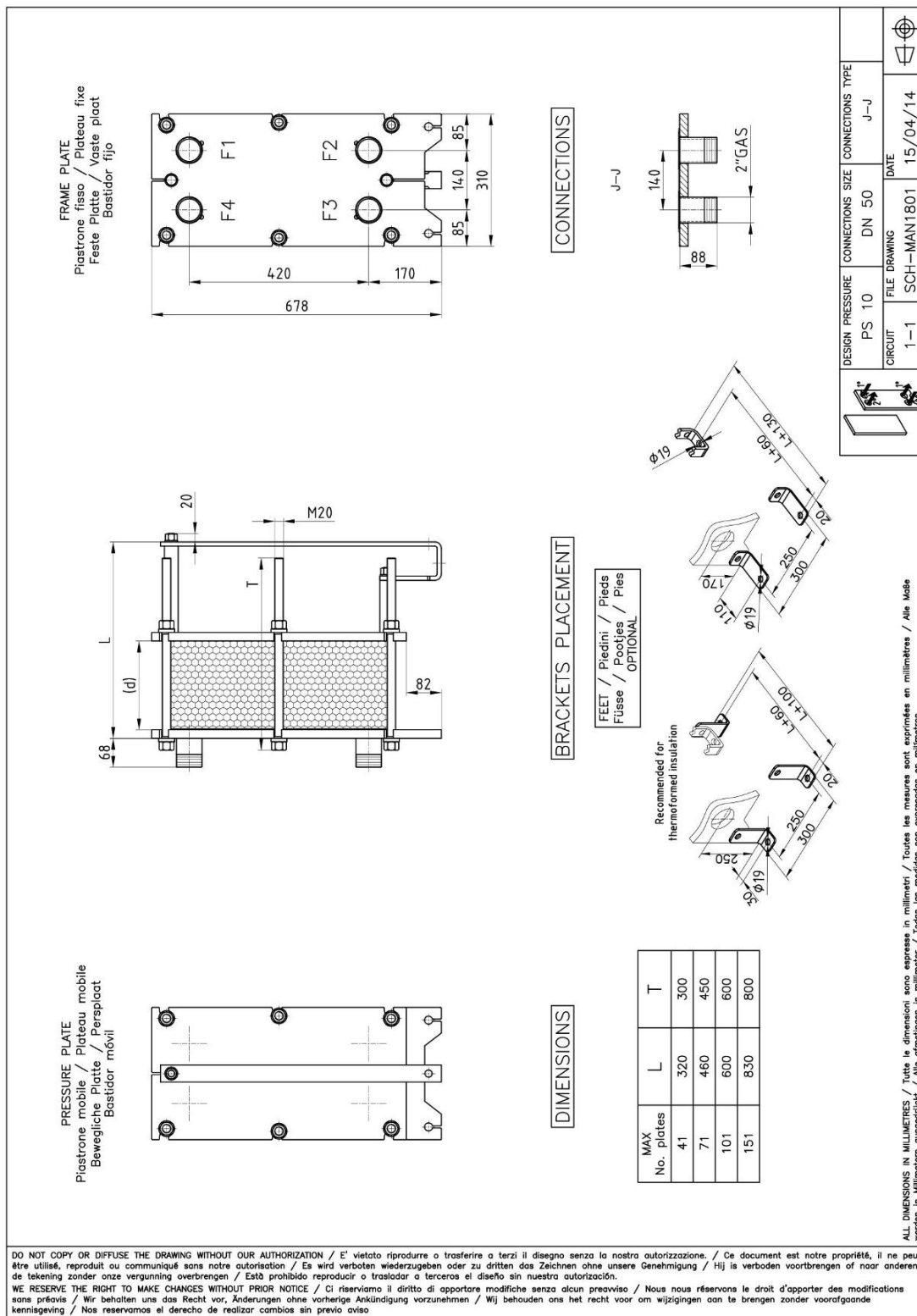
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Exchange  
for good

# Drawing

Item :  
Date : 8/29/2024  
Model : SE 0070+



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