

# PHE AV40-31 HL 26

PED Classification (2014/68/EU): SEP [FGP2NV] [FGS2NV]

| THERMAL DATA              |        |          |                           |        |          | DESIGN DATA        |       |         |  |
|---------------------------|--------|----------|---------------------------|--------|----------|--------------------|-------|---------|--|
| Primary: WATER            |        |          | Secondary: WATER          |        |          |                    |       |         |  |
| Inlet Temperature         | [°C]   | 80       | Inlet Temperature         | [°C]   | 55       | Max. temperature   | [°C]  | -10/100 |  |
| Outlet Temperature        | [°C]   | 60       | Outlet Temperature        | [°C]   | 75       | Design pressure    | [bar] | 6       |  |
| Flowrate                  | [kg/h] | 34468,99 | Flowrate                  | [kg/h] | 34487,42 | Test pressure      | [bar] | 8,58    |  |
| Pressure drop             | [kPa]  | 61,91    | Pressure drop             | [kPa]  | 61,67    | DTML               | [°C]  | 5       |  |
|                           |        |          |                           |        |          | Capacity           | [kW]  | 800     |  |
|                           |        |          |                           |        |          | Exchanging surface | [m²]  | 13,079  |  |
|                           |        |          |                           |        |          |                    |       |         |  |
| Primary volume            | [l]    | 15,69    | Secondary volume          | [l]    | 15,69    |                    |       |         |  |
| No. series pass hot side  | [ ]    | 1        | No. series pass cold side | [ ]    | 1        |                    |       |         |  |
| No. parall. pass hot side | [ ]    | 15       | No. parall.pass cold side | [ ]    | 15       |                    |       |         |  |
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| CONSTRUCTIVE DATA |      |        | DIMENSIONS                |      |      |                          |      |      |
|-------------------|------|--------|---------------------------|------|------|--------------------------|------|------|
| Plates thickness  | [mm] | 0,5    | C (width)                 | [mm] | 613  | D (horizontal interaxis) | [mm] | 296  |
| Empty weight      | [kg] | 393,78 | A (height)                | [mm] | 1413 | B (vertical interaxis)   | [mm] | 890  |
| Full weight       | [kg] | 433,16 | F (depth)                 | [mm] | 743  | H (tightening)           | [mm] | 96,1 |
| MATERIALS         |      |        | G (connection dimensions) |      | [ ]  | DN 150                   |      |      |
|                   |      |        | E (connection height)     |      | [mm] | 275                      |      |      |

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| MATERIALS             |         |
|-----------------------|---------|
| Frame                 | P355NH  |
| Plates                | AISI304 |
| Gaskets               | EPDM    |
| Primary connections   | P355NH  |
| Secondary connections | P355NH  |
| Tightening bolts      | A193B7  |

