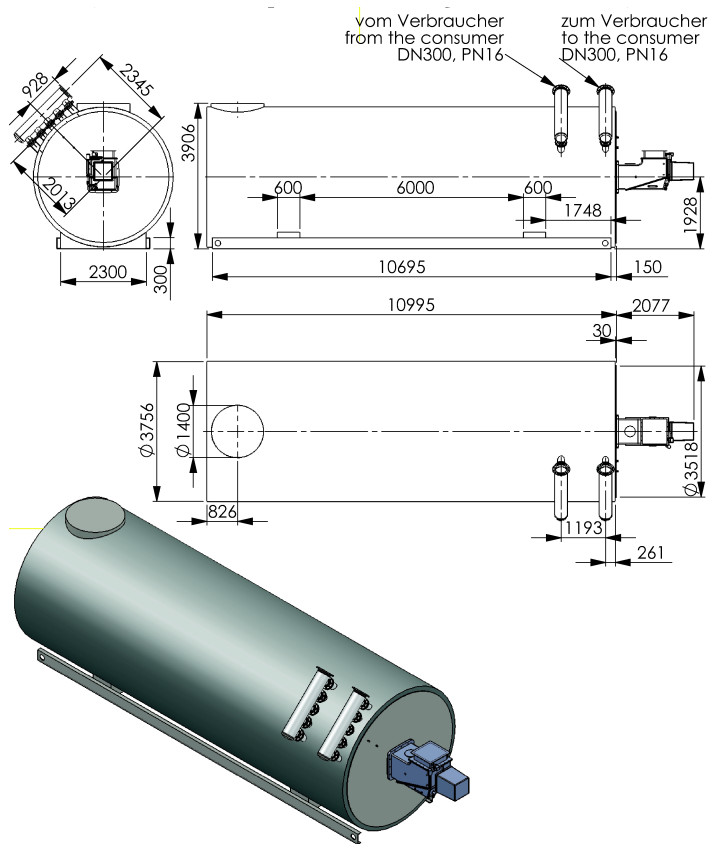


# Heater type: TH-150



|                                                                      |                        |
|----------------------------------------------------------------------|------------------------|
| Nominal capacity                                                     | 15000 kW               |
| Thermal fluid content                                                | 16698 l                |
| Weight without filling                                               | 37800 kg               |
| Nominal thermal fluid volume flow                                    | 1056 m <sup>3</sup> /h |
| Thermal fluid pressure drop                                          | 26 m flc.              |
| Design temperature                                                   | 300 °C                 |
| Temperature difference outlet - inlet                                | 25 K                   |
| Heating surface                                                      | 458,56 m <sup>2</sup>  |
| Insulation thickness                                                 | 150 mm                 |
| Recommended pump size @ 15mflc remaining height to provide consumers | 250-400                |
| Recommended motor power                                              | 160 kW                 |

|                                 | LFO firing               | Natural Gas firing         |
|---------------------------------|--------------------------|----------------------------|
| Thermal efficiency:             | 85,45 %                  | 84,55 %                    |
| Fuel consumption:               | 1480,05 kg/h             | 1774,10 Nm <sup>3</sup> /h |
| Furnace pressure drop:          | 1678 Pa                  | 1728 Pa                    |
| Combustion air consumption:     | 19740 Nm <sup>3</sup> /h | 19101 Nm <sup>3</sup> /h   |
| Exhaust gas outlet volume flow: | 20946 Nm <sup>3</sup> /h | 21047 Nm <sup>3</sup> /h   |
| Exhaust gas outlet temperature: | 333 °C                   | 335 °C                     |
| Specific furnace load:          | 392 kW/m <sup>3</sup>    | 396 kW/m <sup>3</sup>      |