HU22091701

SEP calculation programme form

|  |
| --- |
| **Company details** |
| Company |  |       |  | Phone |  |       |
| Name |  |       |  | E-Mail |  |       |
| Fct./Dept. |  |       |  | Web |  |       |
| Street |  |       |  |  |  |  |
| ZIP/City |  |       |  | Project |  |       |
| Country |  |       |  | Date |  |       |
|  |  |  |  |  |  |  |
| **Unit details** |
| Heat transfer Medium |  | [ ]  Water [ ]  Oil |
| Moulded part Material *(abbreviation)* |  |       |
|  Throughput |  |       kg/h |
| Mould Material *(material no.)* |  |       |
|  Weight |  |       kg |
|  Thickness of insulation plate |  |       mm |
|  Average temperature |  |       °C |
|  max. difference: main line/return line *(precision parts 1-3 K, bulk parts 3-5 K)*  |  |       K |
|  Desired heat-up time |  |       min |
| Variables Cooling water temperature |  |       °C |
|  Additional power input *(e.g. hot channel, effective output)* |  |       kW |
|  |  |  |
| **Pressure drop**  |
| Temperature control circuits *(fill in one column per unit)* |  | 1 |  | 2 |  | 3 |
| Temperature control quota *(z. B. 1: 70 %; 2: 30 %)* |  |       % |  |       % |  |       % |
| Channel dimensions *(per single circuit for parallel circuits)* Diameter |  |       mm |  |       mm |  |       mm |
|  Total length  |  |       m |  |       m |  |       m |
| No. of parallel circuits *(approx. same dimension)* |  |       |  |       |  |       |
| Hoses Diameter |  |       mm |  |       mm |  |       mm |
|  Total length |  |       m |  |       m |  |       m |
| Disturbance quota *(e.g. 1: 90 %; 2: 10 %)*  |  |       % |  |       % |  |       % |
|  |  |  |  |  |  |  |
| **Positioning for the external sensor** |
| Moulded part Material *(abbreviation)* |  |       |
|  Injection temperature |  |       °C |
| Mould Material *(material no.)* |  |       |
|  Average temperature |  |       °C |
| Process Cycle time |  |       s |
|  Max. fluctuation at sensor *(recommendation: 3 K)* |  |       K |

Note: Temperature control channel bends and quick couplings are taken into account proportionally.

Please describe separately (e.g. drawings, tables) any special features not covered by this questionnaire.