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.