

## Heatsinks

### Liquid cooling for capsule devices

WK 31

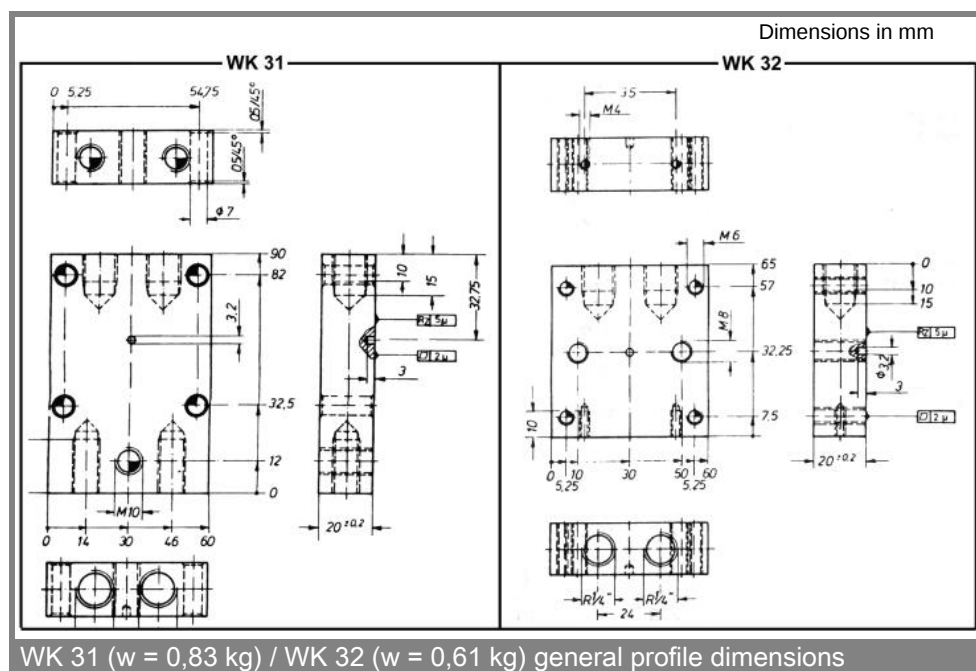
WK 32

WK 33

### Features

- Intended for capsule devices
- Designed for water/liquid cooling

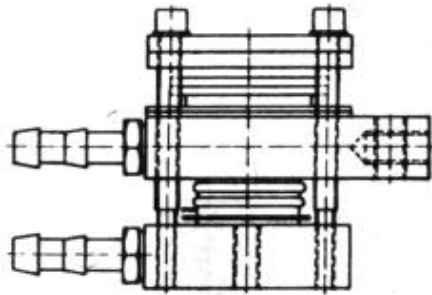
| Standard lengths | n | b / d Ø | $R_{thcw} (H_2O: V_W/t; \Delta p)$<br>$R_{th(case - cooling water)}$<br>K/W | $R_{thmw} (H_2O: V_W/t; \Delta p)$<br>$R_{th(thermal trip - cooling water)}$<br>K/W | w    |
|------------------|---|---------|-----------------------------------------------------------------------------|-------------------------------------------------------------------------------------|------|
|                  |   | mm      |                                                                             |                                                                                     | kg   |
| WK 31+WK 32      |   | 19      | 0,150 (2 l/min; 45 mbar)                                                    | 0,015 (2 l/min; 45 mbar)                                                            | 1,44 |
|                  |   | 25      | 0,106 (2 l/min; 45 mbar)                                                    | 0,015 (2 l/min; 45 mbar)                                                            |      |
|                  |   | 33      | 0,096 (2 l/min; 45 mbar)                                                    | 0,015 (2 l/min; 45 mbar)                                                            |      |
| WK 31+WK 32      |   | 19      | 0,128 (4 l/min; 180 mbar)                                                   | 0,012 (4 l/min; 180 mbar)                                                           | 1,44 |
|                  |   | 25      | 0,084 (4 l/min; 180 mbar)                                                   | 0,012 (4 l/min; 180 mbar)                                                           |      |
|                  |   | 33      | 0,066 (4 l/min; 180 mbar)                                                   | 0,012 (4 l/min; 180 mbar)                                                           |      |
| WK 33            |   | 2x 19   | 0,134 (4 l/min; 45 mbar)                                                    |                                                                                     | 0,64 |
|                  |   | 2x 25   | 0,105 (4 l/min; 45 mbar)                                                    |                                                                                     |      |



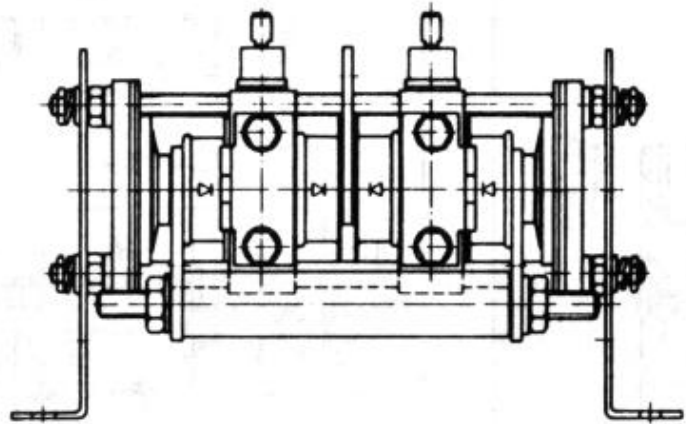
Dimensions in mm



WK 31 + WK 32



2 x WK 33



1. Example setups using combinations of heatsinks WK 31, WK 32, WK 33 for cooling of capsule devices